



Missouri S&T Magazine, Summer 2000

Miner Alumni Association

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MSM-UMR ALUMNUS

A PUBLICATION OF THE MSM-UMR ALUMNI ASSOCIATION

VOL. 74, NO. 2

PARK'S PLACE

A look back at the career
of Chancellor John T. Park

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FROM THE EDITORS

There aren't too many men and women you can describe by using the word "institution," but John T. Park is certainly one of them.

For nearly 36 years, John Park has been a part of this university — first as a junior member of the physics faculty, then as a full professor, department chair, vice chancellor, interim chancellor (twice) and finally chancellor. For the past eight years, he has been at the helm of MSM-UMR, directing the campus through some challenging times. Now, at age 65 and after successfully battling cancer, he is retiring from the university effective Sept. 1.

But the Nebraska native is not retiring from his adopted hometown. He and his wife, Dorcas, are building a new home in Rolla. We're glad they plan to stick around. Rolla just wouldn't be the same without them.

Meanwhile, the search for a new chancellor is under way. We hope to tell you a little bit about our new leader in the next issue of this magazine. As for this issue, Chancellor John T. Park takes center stage.

Though a man of great vision, Park has never been one to bask in the limelight. He's quick to point out that the accomplishments during his tenure at MSM-UMR have been the result of teamwork. He gives much of the credit for his success to his wife Dorcas. As the campus' first lady, Dorcas has accomplished quite a bit in her own right. And you'll read about those achievements as well.

Thank you, John and Dorcas, for helping to make MSM-UMR a better university.

MSM-UMR ALUMNUS

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SUMMER VOL. 74, NO. 2

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CHANCELLOR JOHN T. PARK

Photo by Bob Phelan/Photomasters



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MILLENNIUM ARCH

THE ARTIST'S VISION

(AN EXCERPT FROM THE DEDICATION PROGRAM)

In thinking about "*Millennium Arch*," I sought inspiration from the all-time great monuments, those that are familiar to people everywhere: the pyramids, the Taj Mahal, the Giants of Easter Island, Stonehenge. They were all on my "screen."

Time and again, I kept coming back to Stonehenge. Like Big Ben, Shakespeare, the Royal Family, and Christmas Carols, those great stones have been in and out of my consciousness all my life.

The choice became clear. Interpreting a section of Stonehenge — two upright stones connected by a third stone across the top forming an arch — I have introduced the human figure into that ancient framework. Cut out from the upright stones are the shapes of a Man and a Woman. These are polished and stand free of the rough-hewn blocks that had previously constrained them.

In "*Millennium Arch*," the granite, only recently quarried from its billion-year-old Missouri birthplace, symbolizes for me the past; the cutouts provide space for the future; and the standing figures represent humanity.

I hope that whoever walks through the *Millennium Arch* will feel vibrations from the past, hopes for the future, and, while standing beside the polished figures of Man and Woman, will cherish life in time present.

Edwina Sandys

Millennium Arch unveiled during a ceremony May 13

Top: The people who made *Millennium Arch* a reality (pictured left to right with **Chancellor John T. Park**): **Scott T. Porter**, who commissioned the funds for the Arch, which is dedicated as a memorial to his late parents and late wife; **Edwina Sandys**, the artist; and **David Summers** (far right), the craftsman whose waterjet technology was used to cut the stone.

Center: The cutting of the ribbon and the unveiling of the Man and Woman.

Bottom: A troupe of dancing girls celebrates the unveiling of the sculpture.



Letters to the editor

Last fall during Homecoming my wife and I took time to visit the new library. It is certainly something of which the school should be very proud. The article in the fall '98 *Alumnus* featuring the library had brought back a lot of memories for Ruth (Muilenburg) and me. I thought you and Mrs. Eisenman might find the following bit of personal and library history interesting and amusing.

Ruth's dad (Dr. M) was head of the geology department when I was there ('31-'35). Dr. Fulton, who was director of the school at that time, hired me in August of 1933 as an assistant to Mr. Shelby, the custodian for Parker Hall where the library was located at that time. The library was to be my responsibility. He was a great little man and used to let me work extra time occasionally if there was a night or weekend function in the auditorium. I normally worked 21 hours a week for the princely sum of 30 cents an hour, so a few extra hours meant I could take Ruth to the old Rollamo theater occasionally or a 25-cent dance at the Episcopal Parish House.

Phyllis Hackman was head of the library and ruled with a pretty heavy hand. She also censored some of the books that came through. One I remember was *God's Little Acre*. She moved "it" to her desk in the back office, but since I had keys and access to the whole area I could learn what the book was about. How times have changed!

Several times she let us have a dance in the library. We would move the tables back and bring in a Victrola. We had a good time for a pittance and that was important then.

Donnell Dutton, ME'35

CORRECTIONS:

The spring 2000 issue of the *Alumnus* incorrectly identified the Web address for Lawrence Christensen's "Missouri Biography" radio program. The correct Web address is www.umsr.edu/~christen/mobio.html

Caterpillar Inc. was misidentified on the back cover of the spring *Alumnus*.

The obituary of Robert W. Edwards, on page 47 of the spring *Alumnus*, had the incorrect photo placed with it. The full obituary with the correct photo is reprinted at right.

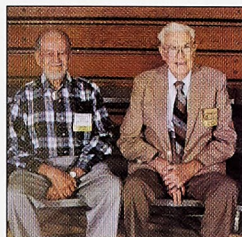
The caption on the **OVER 60 YEARS** class reunion photo on page 36 of the spring *Alumnus*, was reversed. The photo is shown at right with the correct caption.

1950



Robert W. Edwards, CE, worked for four years for the Missouri State Highway Department in the construction division before moving to the Army Corps of Engineers office in Kansas City, Mo.,

where he worked for 27 years prior to his retirement. His last position was at Truman Dam during the construction completion phase. He entered the U.S. Navy in August 1943 and served in the Navy Air Corps until his discharge in April 1946. While at MSM-UMR, he joined the Army Reserve and after graduation was commissioned a second lieutenant in the Corps of Engineers. At retirement, he was a lieutenant colonel and had served for more than 41 years. While attending MSM-UMR, he was a member of AIME and the Shamrock Club. †June 19, 1999



OVER 60 YEARS!

Left to right: Russell Miller '29 and Ted Hunt '33

We welcome comments and suggestions for your *MSM-UMR Alumnus*.

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MSM-UMR ALUMNUS

The MSM-UMR Alumni Association publishes the *MSM-UMR Alumnus* to communicate and reflect the past, current and future interests of the alumni of the Missouri School of Mines and the University of Missouri-Rolla.

UNIVERSITY OF MISSOURI-ROLLA CHANCELLOR

John T. Park

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Campaign surpasses goal a year early

Our first-ever fund-raising campaign was so successful, we wrapped it up a year early. But even though we've surpassed our overall \$60 million goal, there are still some unmet needs.

The *Full Circle Campaign* officially draws to a close on June 30. As of April 30, the campus has raised \$65.6 million through the campaign, surpassing its original \$60 million goal. More than 43 percent of UMR's 42,000 alumni contributed to the campaign.

"We presented our case for strengthening UMR's programs to our alumni and friends, and they responded enthusiastically," says UMR Chancellor John T. Park. "The overwhelming generosity of our alumni and friends will allow us to complete this campaign much earlier than we had planned. We're fortunate to have a strong base of private support — individuals and corporations who want to be partners in UMR's continuing success."

The *Full Circle Campaign*'s original goals were to put new resources into five areas, with student

scholarship and support being the largest piece of the campaign pie. The campus set an original goal of \$17 million for student scholarship and support, or 28 percent of the \$60 million total. As of April 30, the campaign had raised \$29.7 million for this area. The campus has also reached its goal for unrestricted contributions.

On the flip side, fund-raising efforts continue for the unmet goals in:

- **Faculty, professorships and chairs, and departmental support** (\$13.1 million of the original \$16.75 million goal).
- **Program enrichment** (\$8.8 million of the original \$12.65 million goal).
- **Facilities and equipment** (\$8.5 million of the original \$9 million goal).

The campus will continue its efforts to meet those individual goals after the campaign concludes.

Strong leadership

The *Full Circle Campaign* involved the leadership of several UMR alumni and friends, including members of the UMR Board of Trustees. A campaign leadership team was led by honorary co-chairs



Fred, CE'55, and June Kummer of St. Louis. Fred Kummer is president and chief executive officer of HBE Corp., an international design and construction firm based in St. Louis.

Other members of the campaign leadership team included:



Keith Bailey, ME'64, president and CEO of The Williams Companies Inc. of Tulsa, Okla.



Tom Holmes, MinE'50, retired chairman of W.R. Grace and Co., and retired chairman, president and CEO of Ingersoll Rand Co.



Zeb Nash, ChE'72, manager of manufacturing for basic chemicals for ExxonMobil Chemical Co. of Baytown, Texas.

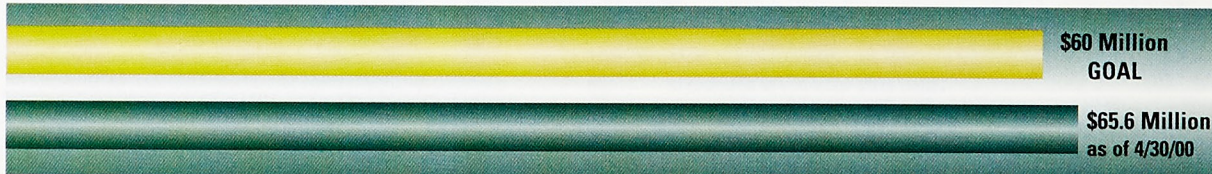


Cynthia Tang, Econ'85, founder and CEO of Insight Industries Inc.



Robert Garvey, MetE'61, former chairman and CEO of Birmingham Steel of Birmingham, Ala.

"This campaign was a campuswide effort that involved the work of many departments and individuals," says Vice Chancellor for University Advancement **Neil K. Smith**. "The deans, department chairs and individual faculty members contributed much to ensure that this effort was a success. Many individuals and departments within University Advancement — particularly the development staff, the MSM-UMR Alumni Association staff, and the publications and public relations staffs — made certain that the campus had the support required to complete a project of this magnitude. These dedicated staff members deserve our thanks."





Beverley Moeller and her husband, Roger, MetE'44, MS MetE'47, were on hand for the grand opening of the writing studio.

Writing studio dedicated

UMR has a new writing studio, thanks to a \$60,000 gift from **Beverley Moeller**. Moeller and her husband, **Roger**, MetE'44, MS MetE'47, were on hand for the grand opening of the writing studio in May. Located adjacent to the Center for Writing Technologies classroom in UMR's Campus Support Facility, the Dr. Beverley Bowen Moeller Writing Studio is now open for individual tutorial sessions and small workshops. Also, the studio provides office space for a growing number of faculty and staff associated with UMR's Writing Across the Curriculum Program. The Moellers have supported the university with other generous gifts in the past, including the donation of Amazon artifacts and the creation of an equipment endowment for the metallurgical engineering department.

Parents' Association pledges \$50,000 for study lounge in honor of Parks



Barbara Robertson, left, president of the UMR Parents' Association, presented John and Dorcas Park with a certificate of appreciation during UMR's Spring Open House.

The Parents' Association pledged \$50,000 to name a study lounge in the Parks' honor.

Students will have a new place to study, and it will be named in honor of UMR's current chancellor and first lady, thanks to the UMR Parents' Association.

The Parents' Association pledged \$50,000 to name a study lounge as part of the upcoming renovation and expansion of UMR's student center, the University Center. The pledge was announced during UMR's Spring Open House for prospective students Saturday, April 8.

Barbara Robertson, president of the UMR Parents' Association, presented the Parks with a certificate of appreciation as she announced the gift.

"We felt this was only appropriate to have a study lounge named after you as the students who took your classes had to study so much," Robertson jokingly told Park, who was a UMR professor of physics before becoming chancellor. She added that the Parents' Association appreciates the Parks' contributions to UMR and the community.

The UMR Parents' Association, composed of parents of currently enrolled UMR students, works with the UMR administration as a conduit of communication between parents and UMR administrators. The association has also been involved in UMR's fund-raising activities during the past 10 years. Other fund-raising efforts by the Parents' Association include \$25,000 for a room in Castleman Hall, the performing arts center on campus; \$100,000 toward the renovation to the Student Recreation and Intramural Center; and assistance to Pi Kappa Alpha fraternity following a fire that destroyed the fraternity house in February 1999. The association also provides educational assurance grants of up to \$1,000 for students with financial need who have a parent die during the semester, supports the annual Parent(s) of the Year Award and the Freshman Advisor Recognition Program, and provides reading material for the UMR Student Health Center.

PARK'S PIA

**After 35 years
at MSM-UMR,
Chancellor
John T. Park bids
farewell to the
campus that has
become his home**

By Diane Hagni



PLACE



PARK'S PLACE

"John's greatest attribute is his loyalty to UMR. His tremendous loyalty and love of UMR will be missed and will be difficult to replace. He is not only UMR's top ambassador, he is UMR's best friend."

—Bob Berry, CE'72,
regional vice president
at Burns and McDonnell in
St. Louis and president
of the MSM-UMR
Alumni Association.

A TRANSATLANTIC PHONE CALL 35 years ago caused an inexperienced physics graduate, his wife and two children to leave London and come to MSM-UMR, sight unseen.

The phone interview was from Harold Q. Fuller, chair of the physics department, who had an important question for the wife of his prospective faculty member, John T. Park.

"Dr. Fuller wanted to know if Dorcas would like it here," says Park.

"He says if the spouses aren't happy, the professors don't stay," remembers Mrs. Park. "He wanted people who would stay."

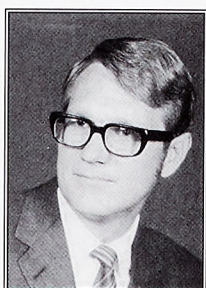
That's exactly what he got.

The Parks, who agreed to give MSM-UMR a try for three years, have turned that into nearly 36 years in an unusual success story that culminated in Park's appointment as chancellor in 1992. He will retire Sept. 1 this year, but even then, the Parks will only change addresses, not zip codes.

"We're building a house here," says Mrs. Park. "Rolla is a fantastic place, although many people don't realize it," says Park, who is 65. "I've had other job offers, but I never wanted to leave."

Well, perhaps an exception would be the time they saw their first prospective rental home. "When we got here we had real cash flow problems," says Park, whose family included two small daughters, six-year-old Janet and three-year-old Karen. The two rental homes listed in the newspaper ads that fit their budget "were despicable," says Park. Tar paper covered the sides of one home, although the landlord promised to put siding up after the couple moved in.

They passed on that house, but stayed in Rolla. (And, with the help of a local real estate agent, they moved into a nice home with "wonderful neighbors" the next day.) Since then, they have poured their lives into a university and community that they have come to love.



Through the years: John T. Park as a young faculty member (left); with wife Dorcas and daughters Janet (left) and Karen; and in his physics research lab in the 1980s.

HOME-GROWN EDUCATOR EXCELS

After Park's initial four years at UMR (just about the time Dorcas' London attire was becoming fashionable in Rolla), Park became associate professor. Three years later he was a full professor. He then chaired the department from 1977 to 1983. A noted atomic physicist, Park's research to measure atomic cross sections during ion-atom collisions was funded throughout his years at UMR, even while he was an administrator.

As vice chancellor for academic affairs from 1983 to 1985, Park became interim chancellor when Joseph Marchello resigned until Martin Jischke became chancellor in 1986. "I watched from a different perspective as Jischke was chancellor," Park says, adding that he wanted to learn all he could about what it would take for UMR to become the premier university he knew it could be.

He got his chance in 1992. Following a one-year stint again as interim chancellor when Jischke left, UM System President George Russell appointed him to lead UMR.

Not everyone was sure how the "local" boy would fare. Calvin Cobb, ChE'64, a member of the UMR Board of Trustees and managing director of Ernst & Young/Wright Killen in Houston, Texas, remembers when Park was appointed. "I wondered how John would do as chancellor since we had several high-profile people precede him in the job," he says. "It's rare for a home-grown educator to rise to the leadership of his university. I think John surprised many with the leadership he displayed and the progress that has been made."

One of Park's first challenges was completing the strategic action plan for the university that he had begun as interim chancellor. The process took four years to complete. "The real challenge is in working with people to get them to work together to accomplish a goal," Park says.

Apparently, mission accomplished. As a result of the action plan, UMR became the first university to win the Missouri Quality Award in 1995. Patterned after the Malcolm Baldrige National Quality Award, the MQA recognizes organizations that have made substantial improvements in their performance. The submission to the award process was merely to get an outside assessment of how UMR was doing, Park says, not necessarily to win. But the award spoke of Park's ability to unite many different groups and interests toward a common goal.

NOTABLE ACCOMPLISHMENTS

John T. Park's tenure as chancellor has been a series of accomplishments. Among the more notable:

- New emphasis on leadership education, resulting in national awards for several student leadership programs
- Increase of faculty salaries by 47 percent, making them more competitive with other top educational institutions
- UMR awarded the Missouri Quality Award in 1995, becoming the first public research university in the nation to win such an award as well as the first public doctoral-granting university in the nation to do so
- Expansion of alumni-university involvement with the creation of the UMR Board of Trustees, prominent alumni who serve as advisors to the chancellor
- Initiation and completion of UMR's first-ever capital fund drive, the \$60 million Full Circle Campaign
- Expansion of educational programs to include a new degree program in computer engineering, a proposed manufacturing engineering degree, a statewide master's degree in engineering management, and several national and international educational and training programs
- Expansion of computer access as UMR became a "wired campus": 40 computer learning centers provide a computer for every seven students, and the entire campus — including all residence halls, fraternities and sororities — are wired to the Internet
- Improvements to the campus physical plant — expansion and renovation of Emerson Electric Co. Hall (electrical engineering building); the Recreation and Intramural Center addition to the Gale Bullman Multi-Purpose Building; the current renovation and expansion of the Butler-Carlton Civil Engineering Building; the renovation of the Curtis Laws Wilson Library; construction of the Campus Support Facility, and the creation of the Southwestern Bell Cultural Center

PERSONAL ACCOMPLISHMENTS:

- Named scientist of the Year in 1994 by the Missouri Academy of Science
- Appointed to the board of directors of the Missouri Technical Corp. by Gov. Mel Carnahan
- Continued his research in physics — measuring cross sections during ion-atom collisions — funded by NSF at the \$200,000 per year level, while maintaining administrative duties
- Received the Edmund Ward Bishop Award this year from the Rolla Area Chamber of Commerce for his contributions to the growth of Rolla

PARK'S PLACE

"His personal honesty, his dedication to and enthusiasm for the campus was felt by all who had even a brief encounter with him."

—Glen Haddock,
professor emeritus of
mathematics and
statistics

Dick Hagni, department chair of geology and geophysics, knows such an accomplishment takes a leader with unique qualities. "John Park has been more approachable than any other chancellor during my 44 years' experience at UMR," says the veteran faculty member. "What I like most about him is his sense of humility. When he was asked how to be introduced shortly after he was appointed chancellor, his answer was, 'Call me John.'"

LEGENDARY OPTIMISM

The chancellor's optimism is almost legendary on campus. "Always positive and upbeat," is how his wife characterizes him — and she sees him when he's out of the public eye. "He's always seeing the good in other people."

"John's enthusiasm for UMR has been infectious, reaching students, faculty, staff, alumni and friends," says Cobb.

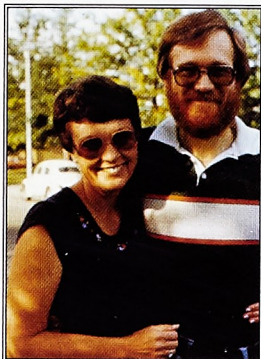
"I don't think I have ever met a more optimistic person than him," says Charlotte Lewis, Park's secretary for the past nine years. "If your boss is that way, it tends to be contagious."

Park claims one of his greatest virtues is his bad memory. "I forget slights and offenses," he says. "People come and apologize to me and I don't know what they're apologizing for! You can't afford the energy to get even."

Park's optimism must have had a strenuous workout in the financial arena over the last eight years, though. The state funding picture for higher education has not been rosy during his tenure. The year before Park came on board, a proposed tax increase for education in Missouri failed, and a lingering recession had many concerned. Park had to make some tough decisions, even as interim chancellor, in order to cut \$4.8 million as part of the reallocation plan for UMR.

According to Glen Haddock, a longtime colleague of Park's, both as a faculty member and administrator, financial problems weren't just cold, hard facts to Park; they were economics that affected real people whose livelihoods depended on the university. He worked tirelessly and creatively to find ways to soften or eliminate the cut's impact on staff and faculty, Haddock says.

"While some could argue about the relative investments in the various programs, none would question Chancellor Park's commitment to the long-term welfare of the campus, its students, staff and faculty," Haddock says.



Always a winner: John and Dorcas Park share a casual moment in the 1970s; Park (center) poses with Missouri Gov. Mel Carnahan (second from left) and others after UMR won the Missouri Quality Award in 1995; Park and his winning staff in the early 1990s, from left, Mary Lou Castleman, Carol Heddinghaus, Eunice Mace, Charlotte Lewis, Linda Bramel, Park and Connie Goodridge.



For Dorcas Park, a new kind of "home work"

by Diane Hagni

What do kindergarten teachers and chancellor's wives have in common? Plenty, if you're Dorcas Park, first lady of UMR, also a retired kindergarten teacher.

First, you're constantly surrounded by students. Second, the activity never stops. And third, the homework is never-ending.

Back when Mrs. Park oversaw 5-year-olds for 23 years as a kindergarten teacher in Rolla's public schools, her homework consisted of deciphering their attempts at writing and preparing lesson plans. As chancellor's wife for the past eight years, part of her "home work" has been the challenge of upgrading the furnishings at the 110-year-old Chancellor's Residence — some of which might have been as old as the house itself — without using university funds.

There was no question that some of the furnishings needed to be replaced. "I think the dining room table had probably been there since the house was built," says Mrs. Park. The table top consisted of a peeling veneer that had to be covered when guests came. The chairs were so old that two people had fallen through them.

"But I didn't want to use university funds to replace them," she says. So with a little creativity and a lot of volunteer help, Mrs. Park and the Friends

of the Residence at UMR (FOR-UMR) compiled two volumes of cookbooks with recipes from faculty, staff and alumni from all over the country. In all, more than 900 people were involved in making *The Chancellor's Table* and *The Chancellor's Table Volume 2* a reality.

More than 3,000 copies have been sold, and the proceeds helped purchase a solid cherry dining room table that seats 22, a china cabinet and server for the dining room in 1997. New silverware, dishes and other pieces also have been purchased. "At least now we have safe furniture," Mrs. Park says.

Another part of her "home work" has included the many tours she's given of the red-brick Victorian structure. When local Boy Scout troops scheduled tours of the Chancellor's Residence as part of their badge work a few years ago, Mrs. Park's teaching instincts quickly kicked into gear. She prepared a worksheet for the boys to help them remember the historical aspects of the house. But what were they most impressed with when their mothers came to pick them up? "They have three TVs! And she makes big chocolate chip cookies!" they told their moms.

As the chancellor's wife, Mrs. Park has been an integral player in the many social events on campus. That's some

home work that has really been an asset to her husband over the past eight years.

"I've gotten credit for the smooth operation of the social events when it's been Dorcas' work," says John Park. "You can't underestimate how much these events reflect well on the campus."

And the home work that Park appreciates the most from his wife of 44 years? "I lean on her for advice," he says. "Particularly in working with people, I lean on her a lot. We're pretty much a team."

Because they've worked closely together these last eight years, the Parks are not apprehensive about the transition to retirement. Life will slow down, "but we're already together a lot," says Park. "We enjoy each other's company."

After retirement, they will be moving into a new home they're building in Rolla, and that means lots of honey-do jobs for a husband who has more time on his hands, says Mrs. Park.

And then it will be the other Park's turn to do some home work.

PARK'S PLACE

"He has set
the stage
for the
future
progress
of UMR."

—Calvin Cobb,
ChE 64,
a member of the
UMR Board of
Trustees and
managing director
of Ernst & Young/
Wright Killen in
Houston, Texas

Park's reallocation plan, developed with the help of several committees, was approved by the Board of Curators without modification. The end result was a leaner, but more focused, university, Park says.

"Even though there has been belt tightening every year, we've always tried to do as much as possible with the resources we've had, pushing the limit," says Park, whose philosophy is to invest in the future, rather than hoard up resources for the proverbial rainy day. "Our ambition always exceeded our resources."

Park found creative ways to even the balances. He spearheaded the campus' first-ever capital fund drive, the Full Circle Campaign, which met its \$60 million goal in private funding more than a year before its scheduled completion.

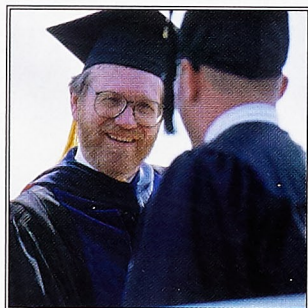
"That's a tribute to not only alumni and friends, but to the great feelings John has developed among everyone," says Cobb. "Campus and alumni leaders have gotten behind John and have achieved great things even in a difficult budget environment in Missouri."

Park also made increasing faculty salaries a top priority during his tenure. "Your real potential is in your people," he says. Faculty salaries increased 47 percent over the last eight years, making UMR competitive for the best faculty in the nation.

NOT AFRAID TO SET HIGH GOALS

That was all part of Park's lofty goal for the university — to make UMR the best and most prestigious place in the state and nation to get an undergraduate degree in engineering and science. He feels much of that goal has been accomplished.

"We have spectacular students; they are goal-oriented and highly ethical and moral," he says. "We have excellent faculty and staff — fantastic people who care deeply about the students."



A chancellor's work: Congratulating a graduate at commencement; with secretary Charlotte Lewis, and with members of his inner circle, Wendell Ogrosky (left), vice chancellor for student and international affairs, and Lee Saperstein, dean of the School of Mines and Metallurgy.

Investments continue to be made into upgrading campus facilities and equipment as well.

One area, where only time will make the difference, is UMR's growing reputation as a research institution. "We've only been in the research game about 25 years," says Park. "It will take awhile before UMR is recognized internationally as an institution for its research, although we've made tremendous progress in the last two years. Essentially all the faculty is now involved in research."

"John has established UMR as Missouri's technological university and has improved our image in the Midwest as well as internationally through a number of his initiatives," says Bob Berry, CE'72, regional vice president at Burns and McDonnell in St. Louis and president of the MSM-UMR Alumni Association.

BEATING THE ODDS

After eight years as chancellor (10 years counting his two stints as interim chancellor), Park has proven to be one who beats the odds. The median stay for chancellors at an institution is two years; the average is less than six. Park cites the pressures from the diverse groups the chancellor is responsible to and responsible over as the main factor for high turnover.

"But it's not the pressures of the job causing me to retire," he is quick to say. "This is the right time (to leave). I think this is a marvelous place to work. I've greatly enjoyed this job."

Park is planning to beat the odds in another area as well. Diagnosed with lymphoma in July 1999, he has

undergone what appears to be successful chemotherapy treatments. "I plan to be a long-living survivor," he says. "I think I still have more energy than most people."

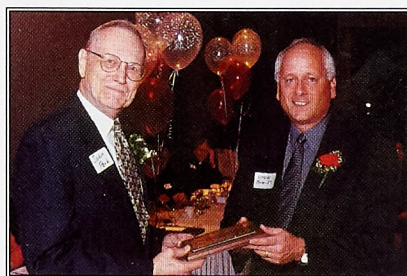
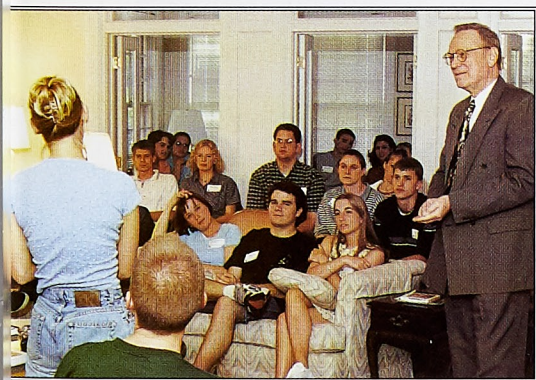
And he has plenty of dreams and ideas for the future. "We plan to do quite a bit of traveling, but at a more leisurely pace," he says of his retirement. The couple would like to go back and spend some time in London, where Park did postgraduate research before coming to MSM-UMR. "I'd like to re-learn some things I learned a long time ago, like mathematics. I might even take a history class."

Two of the Parks' grandchildren live in town, so grandparenting duties will continue unabated there. There will be more time, though, to visit their other daughter and family in Wisconsin.

Park admits it will be an adjustment not seeing the staff and faculty on a daily basis. "They make my job fun," he says. "I'll miss the day-to-day interaction with them."

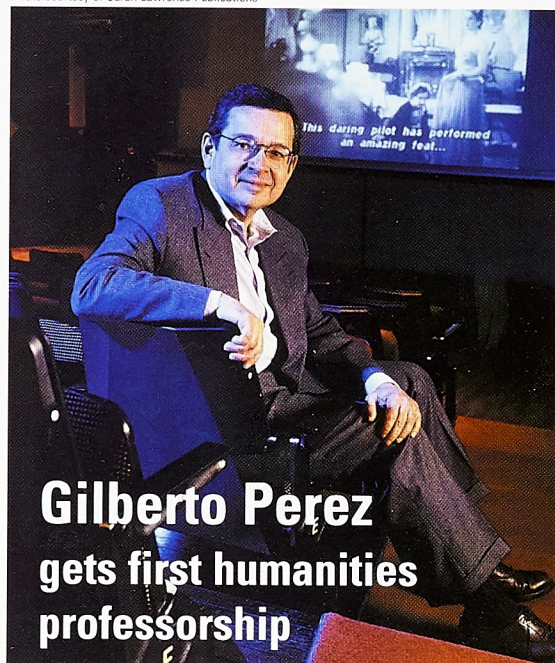
The feeling will be mutual, according to his secretary, Charlotte Lewis. "It will be rough not seeing his smiling face and hearing his witty remarks and words of wisdom," she says. "I have deep admiration for him and will miss him very much. He's a great leader, and, better yet, a leader who is a true gentleman."

"John Park's retirement will be a big loss for UMR," agrees Hagni, his colleague for the past 35 years. "Only after he has retired will we realize how much we have depended upon his leadership."



Leading the way: Park addresses members of his Chancellor's Leadership Class at the Chancellor's Residence; receiving the Edmund Ward Bishop Award from Steve Bowles of the Rolla Area Chamber of Commerce; dancing with Dorcas at the 2000 St. Pat's Ball.

Photo courtesy of Sarah Lawrence Publications



Gilberto Perez gets first humanities professorship

Film critic **Gilberto Perez**, above, gets around. He was born in Cuba and educated at MIT and Princeton, where he studied physics. He later earned a fellowship in visual arts from The Museum of Modern Art in New York City. And then he was a faculty fellow at Harvard and a film studies professor at Sarah Lawrence College.

Now the versatile Perez is coming to UMR, where he will be the first Maxwell C. Weiner Missouri Distinguished Professor of Humanities. Author of *Material Ghost: Films and their Medium*, Perez will join the UMR English faculty this fall and teach courses in film studies and in other areas of interest.

Established by an estate gift in 1999, the Maxwell C. Weiner Missouri Distinguished Professorship for the Humanities is to be rotated annually or biennially among three departments within the UMR College of Arts and Sciences. Each department will use the professorship to attract distinguished faculty members like Perez to UMR in the areas of English, history and political science, or philosophy and liberal arts.

Weiner, EE'41, lived in Ballwin, Mo., at the time of his death in 1998. He studied liberal arts and humanities courses at the University of Hawaii and at Washington University in St. Louis. He was retired from Westinghouse Electric Corp.

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103 to retire early

Universitywide program designed to help campuses reinvest in "mission enhancement" areas

A lot of familiar faces are leaving UMR as the result of an early retirement program. A total of 103 of the 211 UMR employees eligible for the program — 48.8 percent in all — have taken the university up on the offer. Fifty-eight are UMR faculty members, and 45 are UMR staff members.

The Voluntary Early Retirement Incentive Program (VERIP), approved by the University of Missouri Board of Curators in December, allows employees who are at least 55 years old and have at least 10 years of service to retire without reduced benefits. Those taking part in the program must retire by Sept. 1.

The VERIP initiative is designed to release funds to allow each UM campus to invest more into "mission enhancement" areas — focused programs or initiatives designed to strengthen the campuses. At UMR, the mission enhancement areas are in environmental engineering and science, geotechnical engineering, infrastructure engineering, manufacturing, materials engineering and science, and student leadership.

More than 800 faculty and staff are taking early retirement from the four campuses and the central administration. After filling vacated positions, the university expects to have \$10 million to infuse into mission enhancement programs systemwide.

Leadership changes

At UMR, the retirements will result in several transitions in leadership. Not only is Chancellor John T. Park taking early retirement (*see story beginning on page 6*), but so are these campus leaders:

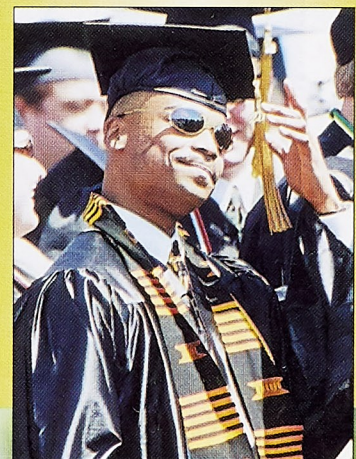
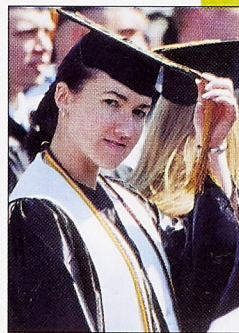
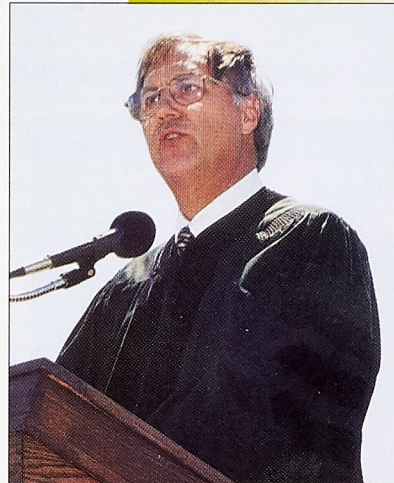
- **Wayne Cogell**, chair of philosophy and liberal arts since 1989 and a faculty member since 1983.
- **Nord Gale**, chair of biological sciences (formerly life sciences) since 1983 and a faculty member since 1980.
- **Richard D. Hagni**, PhD GGPh'62, chair of geology and geophysics since 1985 and a faculty member since 1956.
- **James Hahn**, EE'59, PhD EE'77, director of the UMR Engineering Education Center in St. Louis.
- **Edward Hale**, chair of physics since 1992 and a faculty member since 1969.
- **John D. Rockaway Jr.**, chair of geology and geophysics during two stints — from 1981 to 1987 and since 1992 — and a faculty member since 1968.
- **John W. Wilson**, chair and professor of mining engineering since 1990.

In all, more than 14 percent of UMR's full-time tenure-track faculty are taking the early retirement program. Several will be back on campus as part-time instructors to ease the transition.

COMMENCEMENT 2000

Photos by Bob Phelan/Photomasters

Former FedEx president and CEO **Theodore "Ted" Weise**, EE'67, right, delivered the commencement address to UMR's Class of 2000 on May 13. Speaking about the "discontinuities" brought about by rapid technological change, he told the group, "If things aren't working for you today, just hang around another 73 days and you'll have twice as much knowledge to put to use. New discoveries, new inventions, new technologies all create commercial and personal opportunities in almost limitless supply."



Sticks and stones won't mend broken bones, but perhaps glass will

Written by Rebecca Clayton of Rolla, a senior in psychology at UMR, and Heather Grimes of Poplar Bluff, Mo., a sophomore in psychology at UMR.

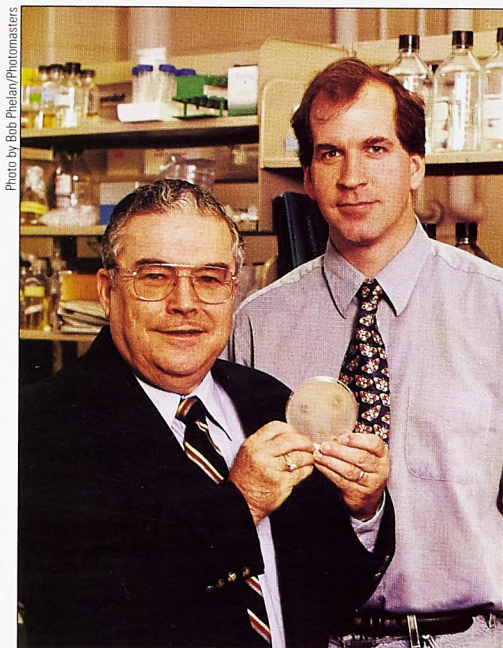


Photo by Bob Phelan/Photomasters

UMR researchers Delbert Day, CerE'58, and David Westenberg have discovered that glass pins and sutures could help stave off infection better than metal pins.

A mending bone grows inefficiently around a metal pin, and existing sutures or staples must be removed through an invasive procedure.

Westenberg believes that glass is a superior alternative because as it dissolves, the bone meshes with the glass, and they work together as one unit.

UMR researchers **Delbert Day**, CerE'58, and **David Westenberg** may have found an unlikely substance to treat severely broken bones. They say doctors could speed up recovery times and strengthen bone mass by using infection-fighting glass pins and surgical sutures to treat breaks in place of metal pins and medical screws.

Day, a Curators' Professor emeritus of ceramic engineering, and Westenberg, an assistant professor of biological sciences, have discovered that, in addition to promoting bone strength, the glass pins and sutures could help stave off infection better than metal pins. Glass is a good alternative to metal because it can be incorporated with silver, which is known to fight bacteria, Day says.

Metal pins and screws have significant drawbacks, according to Westenberg. A mending bone grows inefficiently around a metal pin, he says, and existing sutures or staples must be removed through an invasive procedure. Glass is a superior alternative, Westenberg says, because "as it dissolves, the bone meshes with the glass, and they work together as one unit."

The research is ongoing. Day and Westenberg have established that glass alone works as an agent against bacteria, but they say a combination of glass and silver is the best defense against infection. Currently, Day is testing a variety of glass components to determine which is best suited to incorporate with silver. Meanwhile, Westenberg is testing how much bacteria is destroyed by a given glass component.

Westenberg begins by covering a Petri dish with bacteria commonly found lurking in hospitals, such as *Staphylococcus aureus*, *Pseudomonas aeruginosa* or *E. coli*. A glass-silver composition is sprinkled in the middle, and as the glass dissolves, the silver spreads and kills the bacteria. The better the glass-silver mix, the faster and farther the silver spreads.

Although Day and Westenberg are confident that glass-based pins will be more effective than metal ones, it may be awhile before doctors can use glass-based pins in medical procedures. The UMR researchers must make sure that glass compositions won't have any negative effects on human cells. It could take five years or more before the research is complete, but Day and Westenberg say the results will be worth the wait.

"The science behind this is solid," Westenberg says. "This research has the potential to make a big impact on the way the medical community thinks about treating broken bones."

The root(lessness) of the problem

Researcher studies how plants grow in zero gravity

Written by Mari Hutchison,
a UMR senior from St. Louis.

Not many people think about how a plant obtains its oxygen. But UMR researcher **D. Marshall Porterfield** and NASA do. Together, they are learning more about basic plant biology by observing how plants grow and respond in zero-gravity environments.

Porterfield, an assistant professor of biological sciences at UMR, is interested in learning more about basic plant biology and how plants depend on gravity here on Earth. Meanwhile, NASA hopes to use Porterfield's research results to develop an advanced biological-based life support system in space. By sending the plants into space, Porterfield says, we also learn important information about how they function on Earth.

Understanding the responses seen in spaceflight-exposed plants depends on how well we understand fundamental plant responses here on Earth, Porterfield says. His research has focused on understanding changes in oxygen-dependent processes in the root systems of spaceflight-exposed plants. On Earth, oxygen's transport through the soil to the root systems depends on convection, the gravity-mediated movement of fluids and gases. "In zero-gravity environments, there is no convection," Porterfield says. "So consequently oxygen availability to the roots is diminished. As a result of the problems in the root system, the whole plant does not grow as strongly in space as it does on Earth."

This zero-gravity research has led to a better understanding of "lodging," a common agricultural

problem that usually occurs after floods or periods of over-irrigation. Lodging occurs when a lack of soil oxygen prevents roots from growing deep enough to form a good root base. Under these conditions, the roots tend to grow horizontally along the soil surface.

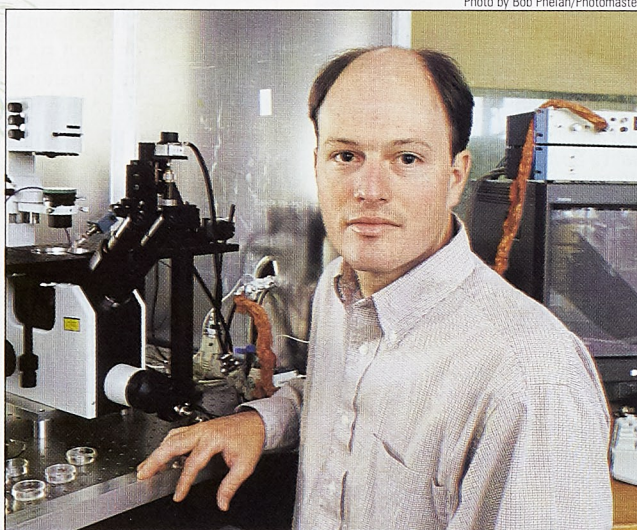
According to Porterfield, the shallow-growing root base leaves the plants susceptible to being blown over by wind and renders that portion of a farmer's crop

unharvestable. The space flight data led Porterfield to develop experiments that prove this phenomenon is related to a decrease in soil oxygen in the deeper soil profiles.

Porterfield's root system experiments also have led him to his current interest in microsensor technology. Last February, an electrochemical sensor developed by Porterfield was tested on a special NASA KC-135 plane that can fly high enough to simulate zero gravity. The

sensor electronically mimics the oxygen-consuming activity of an actual root. It has applications in the agricultural field, because it can alert the farmer to stop irrigation before the amount of oxygen available in the soil drops below what is needed to allow plants to grow optimally.

At UMR, Porterfield encourages his students to get involved with zero-gravity research. He is currently working with four students who are developing a proposal for NASA's Reduced Gravity Student Opportunity Program. This program allows students to fly experiments on the KC-135. The students are developing plant biology experiments that will ride on the KC-135 in September or October 2000 if approved by NASA.



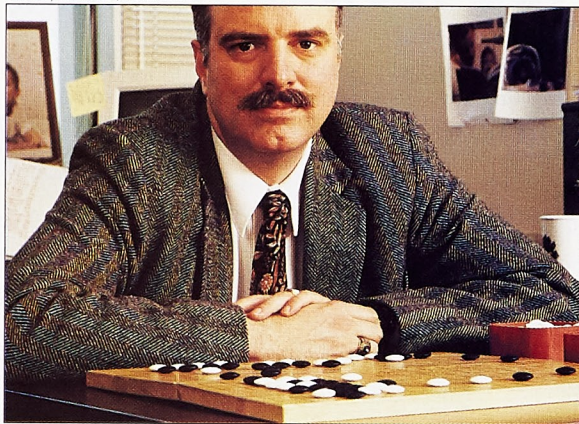
UMR researcher D. Marshall Porterfield is interested in learning more about basic plant biology and how plants depend on gravity here on Earth.

Photo by Bob Phelan/Photomasters

For smarter computers, do not pass *Go*

The ancient Asian board game is easier to learn than chess, but more difficult to master. When will a computer be good enough to match wits with a *Go* master?

Photo by Bob Phelan/Photomasters



Donald C. Wunsch is optimistic that intelligent machines will soon be able to match wits with a *Go* master.

If you thought Deep Blue's 1997 triumph over chess master Garry Kasparov was impressive, wait until you see the computer that can hold its own with the best players of *Go*, an ancient Asian game that is astronomically more complex than chess.

According to many of the world's leading *Go* players, such a machine won't debut for another century. But **Donald C. Wunsch** is more optimistic.

Wunsch, the Mary K. Finley Missouri Distinguished Professor of computer engineering at UMR, believes the era of truly intelligent machines — even computers that can match wits with a *Go* master — is within reach. The creation of such a machine, however, will require an "adaptive" computer system that is much more intelligent than today's best computers. To succeed at *Go*, such a system would have to be intelligent enough to learn the game, adapt to changing conditions, anticipate several possible moves, and evaluate the "goban," or playing board, throughout the game "to help it learn which side is winning and which is losing." And it would have to be smarter than Deep Blue, the IBM computer that defeated chess master Garry Kasparov in May 1997. Intelligent systems of the future also must learn to "think" paradoxically — suspending judgment of contradictory ideas — in order to better mimic human intelligence, Wunsch says.

A long way to go

A masterful *Go* machine "is going to require more human knowledge than chess requires," says Wunsch, who is an expert in the field of intelligent computer

agents. "The human experts in *Go* believe it will be a century before we can make a computer as good as a *Go* master. I'm more optimistic, but we still have a long way to go."

Go is a strategy game involving two players. Players take turns placing their markers, called stones, on the goban, a board with grid lines, with the objective of controlling the largest part of the goban. The game is as popular in Asia as chess is in Russia, Wunsch says. Like chess, *Go* also aids the intellectual development of children, he adds. Today's best *Go* computer programs play the game "like an amateur — like someone who has been playing for about six months," says Wunsch.

The difficulty in training a computer to play *Go* is a sheer numbers problem, he adds. "The game tree in *Go* has about 10 to the 750th power of possibilities. Chess, on the other hand, is more like 10 to the 150th power. But the possible number of games is still greater than the number of atoms in the universe."

From brute force to learning systems

So how did Deep Blue become such a chess whiz? According to Wunsch, the answer lies in Deep Blue's parallel processing power, combined with simple "rule-of-thumb" techniques known as heuristics. Thanks to parallel processing — the use of several processors at once to share the work of evaluating possible moves — the computer can consider an incredible number of possible future game positions. By evaluating current board position, king safety and other variables, the heuristics enable Deep Blue to eliminate a large number of moves. "Computers aren't good at looking at the static position — to see who's winning at a given moment — but they are good at looking at large numbers of possibilities," Wunsch says. "A chess program will look at the board and say, in effect, 'There are 20 possible moves, but 10 of them are lousy.' By doing that, it narrows the possibilities down to a more manageable size."

Still, Deep Blue took a "brute force" approach to processing, Wunsch says. Deep Blue can search through a century of historical chess moves at speeds up to 200 million positions per second. A more truly intelligent approach is needed if computers are to make the leap Wunsch believes is possible in the coming decades.

Future intelligent systems will require more emphasis on what Wunsch calls "massively parallel learning systems." Much of the research in intelligent agents — from Internet search engines and computer spell-checkers to systems used in high-tech manufacturing — has

Bigger than a big hack attack

Professor Ann Miller helps NATO overcome communication problems

In light of last winter's hack attacks on behemoth Web sites like *Amazon.com*, *Yahoo!* and *eBay*, concerns are mounting about the security of large-scale computer systems. For **Ann Miller**, the Cynthia Tang Missouri Distinguished Professor of computer engineering at UMR, such security issues are minuscule in comparison to those she deals with as a member of a NATO group.

NATO's expansion to include former Soviet Bloc nations — where information technology is antiquated compared to western standards — presents the organization with a new set of communications challenges, and Miller is working with NATO to meet those challenges. She is a member of the NATO Research and Technology Agency's Information Systems Technology Panel, a group of information technology experts working to make the communication systems of NATO's 19 member nations more compatible.

The quality of information systems used by some NATO members — particularly the Czech Republic, Hungary and Poland — lags far behind the systems in use by the U.S. military, Miller says. "Some countries are using radio systems from the United States that were used in World War II," she says.

This gap between the IT haves and have-nots within NATO is not the only communications challenge facing the organization. As chair of the NATO Task Group on Validation, Verification and Certification of Embedded Systems, Miller leads the effort to improve the reliability of all manner of systems — everything from aircraft control systems to encryption technologies. The group's biggest challenge comes in trying to integrate "off-the-shelf" commercial systems into military applications.

The question boils down to: How can NATO upgrade

all critical communications systems in the most cost-effective manner?

At an October 1999 conference in Washington, D.C., Miller and the panel considered the critical issue of "information assurance." She discussed the issue again with colleagues at a NATO symposium in April at NATO headquarters in Brussels, Belgium.

"We're trying to determine the best practical methods to make a system as secure as possible, given your time and budget constraints," Miller says.

An expert in satellite communications, Miller was the Navy's deputy assistant secretary for command, control, communications, computing, intelligence, electronic warfare and space. She was appointed to the NATO effort while with the Navy, and was asked to continue her involvement after joining UMR. She was appointed chair of the Task Group on Validation, Verification and Certification of Embedded Systems in October.

Miller's work with NATO reflects her interest in large-scale communications systems. She's always been interested in attacking big problems. "They're fun problems to work on," she says. "I love to get my hands on a big problem and break it down into smaller components in order to solve it."



Ann Miller, the Cynthia Tang Missouri Distinguished Professor of computer engineering, working with UMR students.

do not pass *Go*...continued

focused on developing the "learning systems." Now it's time to emphasize the "massively parallel" part of such systems.

A truly intelligent system is one that can adapt to changes or new information and learn from the changes. "'Adaptive' and 'intelligent' should be redundant," says Wunsch, who received a National Science Foundation Faculty Early Career Development (CAREER) Award to support his research into intelligent agents. "To call an agent intelligent that is not adaptive is missing the mark." Many Internet search engines, for example, are not adaptive — and therefore not truly intelligent — because they cannot change their databases in a variety of necessary situations, such as when they encounter a

defunct Web site, or when a user ignores the search engine's top hits.

"We need to create logical systems that are able to embrace contradictions, as humans do," Wunsch says.

Currently, "Everything we know about computers is still in the stone ages," Wunsch says. "They're very clumsy, they require experts — they have all kinds of problems. They should be thought of as prototypes. Intelligent systems are in their pre-infancy and there's a long way to go."

But that's not to say intelligent systems aren't going to change the way we view computers — and perhaps sooner rather than later. "Paradoxically, I think we're closer to those systems than most people realize," Wunsch says.

Learning the virtues of virtual enterprise

UMR leads systemwide effort to teach students about Internet commerce

Terms like B2B and "clicks and mortar" may be geek to you, but they won't be to students at UMR and other UM campuses who take part in a new "virtual enterprise" project. Through this partnership, UMR engineering students will work over the Internet with students in marketing, accounting, business and other majors from the three other UM campuses. This virtual enterprise is designed to prepare students for the business world of electronic commerce and Internet-based data management.

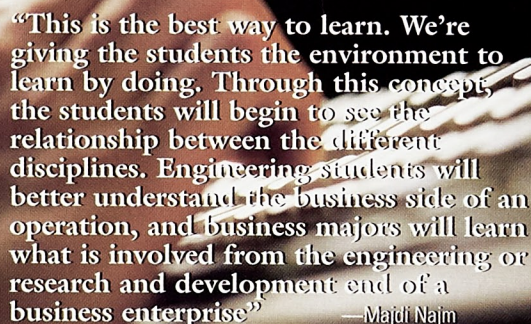
The effort is a partnership between the four campuses and three e-business companies: SAP, IBM and Unisys Corp. Through SAP's University Alliance Grant Awards Program, UM received the SAP software and a hardware server each from IBM and Unisys.

According to **Majdi Najm**, a UMR research associate professor of engineering management who is the project coordinator for the UM System, students in the project will share information electronically from all four campuses. The project will work much like business-to-business electronic commerce.

The project will involve the development of virtual "companies." Students, working with experts from the

faculty and corporate partners, will learn how to conduct business in this new environment. They will purchase and sell products and services electronically, manage projects online, and share information about budgets, employees and even technical drawings.

"This is the best way to learn," Najm says. "We're giving the students the environment to learn by doing."



"This is the best way to learn. We're giving the students the environment to learn by doing. Through this concept, the students will begin to see the relationship between the different disciplines. Engineering students will better understand the business side of an operation, and business majors will learn what is involved from the engineering or research and development end of a business enterprise"

—Majdi Najm

Through this concept, the students will begin to see the relationship between the different disciplines.

Engineering students will better understand the business side of an operation, and business majors will learn what is involved from the engineering or research and development end of a business enterprise.

"By using this kind of enterprise resource planning software, our students will

see immediately that the work they're doing in engineering, marketing or human resources affects the bottom line," Najm says.

For more information about the program, check out the UM System's Web site for the project (sap.umsystem.edu).

UMR authors connect in book about teaching on wired campuses

How are computers changing the learning experience on college campuses? That's the question 10 authors with UMR connections address in their contributions to a new book, *Interactive Learning: Vignettes from America's Most Wired Campuses*.

The book, published by Anker Publishing Company Inc., is a collection of vignettes by writers from 36 of America's most wired college campuses. The 93 vignettes discuss how computers transform courses and affect teaching and learning. Among the UMR writings is one by **Linda Bergmann**, associate professor of English at UMR, and **Lucas Niiler**, a former UMR faculty member who is now an assistant professor at the University of Texas-Tyler. In their vignette, "Problem-Posing Learning in the Computer Writing Classroom," Bergmann and Niiler explain how chat rooms can be used to improve discussion among students. Discussion on online forums, they write, "often

facilitates interaction among students who seldom participate in oral discussion." In addition to the Bergmann and Niiler vignette, other UMR contributions are:

- "Developing an Effective Web-Based Engineering Course," by **Madison Daily**, PhD EMgt'84, professor emeritus of engineering management, and **Susan Murray**, assistant professor of engineering management.

- "Statics Online: Educational Software for the World Wide Web," by **David Oglesby**, associate professor of basic engineering; **Edwin Carney**, EE'79, MS EE'86, formerly of the basic engineering department; **Tuncay Akbas**, CSci'98; **David Crites**, ME'98; and senior **Nathaniel Keen**, a civil engineering major.

More information about *Interactive Learning* can be found at the publisher's Web site (www.ankerpub.com).

Net gain

UMR moves up in *Yahoo! Internet Life* rankings of wired campuses

UMR is No. 31 in the list of the nation's most computerized and Internet-friendly campuses, according to the May 2000 issue of *Yahoo! Internet Life* magazine. This marks the fourth consecutive year that UMR scored in the magazine's annual poll of America's 100 Most Wired Colleges. It's also the fourth year for the survey, which ranks universities based on their hardware, software, and academic and social uses of the Internet. UMR has made the grade each year, but this year's ranking is UMR's highest ever.

Student receives national transportation award

Wesley Tull Jr., CE'00, of Camdenton, Mo., has received the Student of the Year Award from the U.S. Department of Transportation. He was honored during the DOT Transportation Research Board's 78th annual meeting recently held in Washington, D.C.

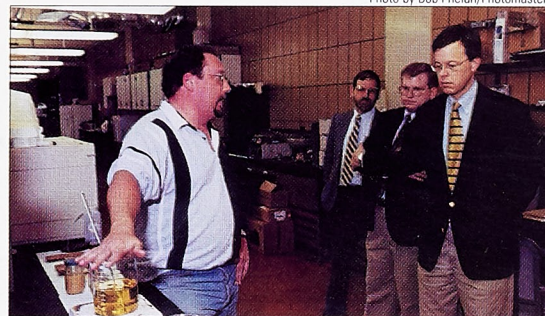
Tull was chosen from participating DOT University Transportation Centers for achievements and promise for future contributions to the transportation field. While focusing his studies on asphalt and concrete pavement design, Tull also recently received an award for design of a railing system for a new "Smart Structure" scheduled to be built on the UMR campus.

UMR student honored by Missouri Association of Blacks in Higher Education

Zermon Drummond, ME'00, of Cleveland, Miss., has received the Dr. O. C. Bobby Daniels Student Leadership Award from the Missouri Association of Blacks in Higher Education. Drummond was honored recently during MABHE's annual conference at Central Missouri State University. He is the second recipient of the award, which acknowledges Daniels for his role in establishing MABHE in 1990.

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Photo by Bob Phelan/Photomasters



Talent show

During his visit to campus this past March, U.S. Rep. Jim Talent, R-Mo., learned about UMR's soybean research. Above, UMR graduate student Mike Maples (left) shows Talent (right) and others how soybean oil can dissolve Styrofoam without causing any harmful environmental effects. During his visit, Talent also discussed his "Value-Added Development Act for American Agriculture." The legislation is designed to help farmers capture more value from their products — such as soybeans.

Creating an outdoor odor-eater

Driving past a hog farm might not be such an unpleasant experience in the future, if research being conducted at UMR proves effective.

A UMR research team is looking for an environmentally friendly way to neutralize odors associated with livestock. The research involves a technology that eliminates odors and destroys pathogens and residual chemicals. Most hog farms use lagoons to hold wastes, creating numerous problems such as groundwater contamination, says **Shubbender Kapila**, professor of chemistry at UMR and one of the researchers on this project. "We want to take a practical approach that is environmentally friendly," Kapila says.

Headed by **Virgil Flanigan**, ME'60, MS ME'62, PhDME'68, director of UMR's Center for Environmental Science and Technology, the team has built a prototype of a device known as the Fluidized Bed Combustor. The combustor uses an air-driven process, cleaning not only manure but also the air itself. Free water is removed from wastes, leaving a semisolid material at the bottom of the combustor. Heated gasses and fresh air are then introduced to "fluidize" the material, bringing it to a quasi-fluid state.

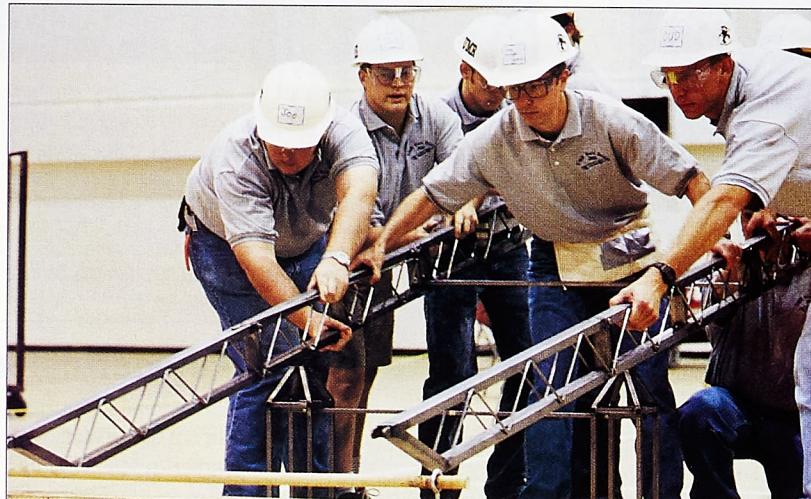
"Our main limitation is cost," says Flanigan. "We have to make this efficient for farmers to use. If farmers can't afford the equipment, they will continue to use lagoons."

Funding for the research at UMR comes from the U.S. department of the Interior through the U.S. Geological Survey.

Written by Brenda Driver, a UMR freshman from Richland, Mo.

Teeming with teamwork

Photos by Bob Phelan/Photomasters



The UMR-hosted Mid-Continent Conference of the American Society of Civil Engineers was a splashing, smashing success. Splashing, because student teams from UMR and other schools in the Midwest raced their concrete canoe creations at Little Prairie Lake as part of the late April event. And smashing, because another ASCE student design event — the Steel Bridge Competition — ended up with some student-built bridges collapsing under pressure of the requisite stress tests.

But the civil engineering students weren't just floating boats and building bridges in these competitions. They also had to prove that their ideas held water by delivering tag-team "sales pitches" about how they conceived of and built their creations. Such is the nature of many student design competitions. Fans turn out to watch the races, but the teams themselves are often judged as



Top: UMR bridge team competes in the regional competition, finishing second and qualifying for the ASCE event. Above: members of the concrete canoe team prove their canoe can move. The team finished in sixth place at the regional event.

much on presentation, marketing and fund-raising skills as on their technical acumen.

The UMR bridge team finished second in the regional competition — a standing that qualified the team for the national ASCE event. The concrete canoe team finished in sixth place at the regional event.

Other spring competitions included:

The first-ever Formula Sun Grand Prix, a grand prix-style race for solar-powered vehicles. UMR's *Solar Miner II*, winner of Sunrayce '99, finished first in its class in this competition, held in late May in Topeka, Kan.

The annual Mucking Competition, which pits student teams in a contest of old-fashioned mining techniques. In this year's competition, held in Montana, UMR's two women's teams finished first and third, and the UMR men's team finished fourth.

The Human-Powered Vehicle Competition, in which teams design, construct and race pedal-powered vehicles. The UMR team finished in ninth place out of 22 teams. The event was held at California State University in Chico, Calif.

The Formula SAE Race, in which UMR students designed and raced a miniature formula-style race car at the Pontiac Silverdome in Michigan. The team finished 51st out of more than 100 teams.

The Southern Region Mine Rescue Contest, in which the UMR Mine Rescue Team — the only university team of its kind — competed. This competition against professional mine rescue teams was held in salt mines in New Iberia, La.

M A K E A D I F F E R E N C E

Join the Admissions Ambassador team and assist us with recruiting students to UMR. For more information, contact Jennie Bayless at 573-341-4372 or by e-mail at jbayless@umr.edu

A historian's perspective

Presidents, politics and policy

Russell Buhite, dean of the College of Arts and Sciences, has published nine scholarly books on American history and U.S. foreign policy. They include *Lives at Risk: Hostages and Victims in American Foreign Policy* and *Patrick J. Hurley and American Foreign Policy*, which was nominated for the Pulitzer Prize in Letters in 1973. Buhite is currently working on a book about the rhetoric of constitutional arguments contained in presidential war messages. Recently, we sat down with Buhite to discuss presidents, politics and policy.

Q: *As an expert on U.S. foreign policy, how well do you feel the Clinton administration has handled international affairs?*

A: His policy has been largely ad hoc, responding to things as they come up. Clinton reacts based on the political climate or for perceived moral reasons, which may or may not lead to good policy. I think he's actually managed relations with China fairly skillfully. Same with North Korea and Iran. He inherited a mess with Iraq. But Somalia was a disaster. Haiti is no better now than when we sent the troops. And we still have troops in the Balkans, but we're no closer to a resolution. It's hard to measure just how successful a presidency has been in the area of foreign affairs because it takes about 20-30 years before essential documents have been declassified and historians are able to make critical judgments.

Q: *How do you view Al Gore and George W. Bush in terms of foreign policy?*

A: I really don't know how Gore would respond to international crises — probably, in part, according to political expediency. The critical thing with Bush would be who he appoints as his advisors. A Bush administration would probably include a number of people who were in subordinate positions in his father's administration. George W. Bush might become a figure-head president on foreign policy, much as Reagan was. China, Iran, Iraq, North Korea and Russia will be the primary areas of world focus for either candidate who becomes president.

Q: *What modern president has been most successful in dealing with foreign affairs?*

A: Richard Nixon. A terribly flawed person, he was a most skillful and successful president in the arena of international affairs — though most would say he didn't handle Vietnam as well as he could have. Interestingly, some of Nixon's traits like dishonesty, secretiveness and deception were actually assets when it came to dealing with adversaries on matters of foreign policy. So his tremendous weaknesses also turned out to be strengths in some ways. Nixon deserves more credit for ending the Cold War than Ronald Reagan because, by opening relations with China, Nixon aided in exposing the Soviet Union to threats on two fronts. Nixon, Theodore Roosevelt and Clinton probably had the best minds among presidents in the 20th century.

Q: *Tell us about your book Patrick J. Hurley and American Foreign Policy, which was nominated for a Pulitzer Prize.*

A: The book is a full-length biography but is in large measure a study of Sino-American relations in the 1940s. Patrick J. Hurley had a long and varied career. His primary historical significance rests in his role as U.S. ambassador to China in the mid-forties, when his assignment was to mediate differences between the Chinese communists and the then-Chinese government. Because decisions made during Hurley's time in China had great political import and because the United States became involved in China's civil war — on the side of the losers — the consequences of his activities proved earth-shaking. American relations with the Chinese communists in the mid-forties contributed in a major way to over 25 years of Sino-American hostility.



Q: *How does one get nominated for a Pulitzer Prize?*

A: Cornell University Press put the book out, and it was well received by critics. The book was nominated by The Advisory Board of the Pulitzer Prize committee. They read books and make recommendations. The Advisory Board called the editors at the Cornell Press, who in turn called and then sent documents from the Pulitzer committee saying I'd been nominated. This was the first I'd heard of it. I'm not sure where the book placed. We only know the winners. This was a long time ago now, but it was quite an honor.

Q: *If you could sit down and talk to any figure in American history for one hour, who would it be?*

A: Abraham Lincoln. I would want to discuss a wide range of issues with him, but especially matters related to race and slavery. Lincoln had a great intellectual capacity and was a master storyteller. His language skills were exceptional for a person from a limited educational background. So if I had to make a choice of one, it would be Lincoln. I'd also want to sit down with the likes of Thomas Jefferson, John Adams, James Madison, John Quincy Adams, Martin Luther King Jr. and countless others. Among non-statesmen, I think my choice would be Buck O'Neil, star baseball player and "philosopher" from the Negro Leagues.

"Interestingly, some of Nixon's traits like dishonesty, secretiveness and deception were actually assets when it came to dealing with adversaries on matters of foreign policy.

...Nixon, Theodore Roosevelt and Clinton probably had the best minds among presidents in the 20th century."

Ipock signs free agent deal with Braves

Dwight Ipock, who set a number of career records while playing for the UMR baseball team over the past four seasons, has signed a free agent contract with the Atlanta Braves' Class A team in Macon, Ga.

While playing for the Miners, Ipock established records for games played (148), hits (148), runs scored (99) and stolen bases (43).

McNeal named to all-MIAA second team; Holly, Withers named honorable mention

Janel McNeal, who led the Lady Miner basketball team in scoring for the second straight year, was named to the Mid-America Intercollegiate Athletics Association's all-conference team as a second team selection for the 1999-2000 season.

McNeal, who averaged 14 points and 9.6 rebounds per game in 1999-2000, was the only UMR women's player named to the all-league squad. She will not return next season, however, as she will transfer to MIAA champion Emporia State University.

On the men's team, junior guards **Scott Holly** and **Kasim Withers** were honorable mentions on the all-league team. Holly, a second-team All-MIAA choice as a sophomore, led the Miners with 15.7 points per game and 81 assists, while Withers finished with an average of 12.7 points a contest and added 80 assists. Both marks were second on the team this year.

Holly also was selected to the GTE/CoSIDA Academic All-District VII third team for men's basketball. He was one of five MIAA players named to the academic squad and was one of seven UMR basketball players named to the MIAA's academic honor roll for the 1999-2000 season. The others are junior **Jace Turnbull** and sophomore **Ben Jordan** on the men's squad, and four Lady Miners — senior **Sarah Badsky** and juniors **Jackie Kelble**, **Amy Milliken** and **Jamie Schroetlin**.

Lopez places second at MIAA tennis championships

The Miners doubles team of **Miguel Lopez** and **Mike McCoy** placed second at the 2000 Mid-America Intercollegiate Athletics Association Tennis Championships.

Lopez, who finished second in No. 1 singles a year ago, reached the finals with McCoy in the No. 1 doubles competition with wins

on each of the first two days of the tournament. They beat a team from Emporia State in the opening round, then knocked off the second-seeded team from Northwest Missouri State in the semifinals. The Southwest Baptist team beat the Miner duo in the finals, 8-2.

Miner swimmers finish in top 10 for fourth consecutive year

The UMR swimming team finished among the top 10 teams in the nation for the fourth straight year, coming in sixth place at the NCAA Division II Swimming and Diving Championships in Buffalo, N.Y. The Miners improved one spot in the team standings from a year ago, and had their second-best finish ever at the national meet, which was held in March. The 1999-2000 team had all nine of its members win All-America honors in at least one event; seven of the nine earned the honor in multiple events.

Among the individuals:

Bruno Amizic placed third in the 100-yard breaststroke in a school record time of 56.62 seconds, then came in fourth the following night in the 200-breaststroke with a time of 2:04.59.

Dave Belleville, who earned six All-America awards at the meet, got his only individual honor in the 100-freestyle where he tied for fifth in 46.04 seconds.

In the relay events:

The 400-yard freestyle relay team of Belleville, **David Nurre**, **Jeremy Evans** and **Mike Lach** finished in third place with a time of 3:04.23.

- The 200-freestyle relay team of Belleville, **Josh Jolly**, Lach and Nurre finished fourth with a time of 1:23.27.

- The team of **Vanja Dezelic**, Belleville, **Steve Caruso** and Nurre placed seventh in the 800-freestyle relay in 6:52.66.

- UMR's medley relay teams finished in sixth and eighth places. The 400-relay team — Jolly, Amizic, **Matt Scott** and Belleville — came in sixth with a time of 3:25.29.

- The 200-relay team of Jolly, Evans, Caruso and Belleville placed eighth in 1:34.53.

1999-2000 M-Club Most Valuable Players (by sport)

Basketball (Men)

Scott Holly, Jr., Alamogordo, N.M.

Basketball (Women)

Sarah Badsky, Sr., Topeka, Kan.

Cross Country (Men)

Kevin Johnson, Sr., St. Charles, Mo.

Cross Country (Women)

Deb Leonard, Jr., St. Charles, Mo.

Football

Michael Drennen, Jr., St. Louis, Mo.

Ken Okwuonu, So., Houston, Texas

Golf

Brad Neuville, Jr., LaCrosse, Wis.

Soccer (Men)

Matt Long, Sr., St. Louis, Mo.

Soccer (Women)

Lizz Szkrybalo, Jr., Livonia, Mich.

Softball

Sabrina Greenwell, Jr., Harrisonville, Mo.

Swimming

Bruno Amizic, Sr., Split, Croatia

Tennis

Miguel Lopez, Sr., Lima, Peru

M-Club Awards Banquet

Amizic, Hydeman named winners of the Gale Bullman Award

UMR swimmer **Bruno Amizic**, EE'99, and **Kim Hydeman**, a defender on the Lady Miners' soccer team, were named as the recipients of the 2000 Gale Bullman Awards at the annual M-Club awards banquet in May.

The Bullman Award, named for the university's former director of athletics and football coach, is the most prestigious award given to a UMR student-athlete. It is traditionally given to a senior athlete who has displayed outstanding character and excelled both on the playing field and in the classroom.

Amizic won All-America honors in three events at the NCAA Division II Championships in March, as he finished third in the 100-yard breaststroke, fourth in the 200-yard breaststroke and was part of the 400-yard medley relay team that placed sixth. Amizic established new school records in the two breaststroke events during the season, and the medley relay team set a new record during the national meet, where the Miners finished sixth as a team.

He graduated magna cum laude in December and competed during the second semester as a graduate student. Amizic has also won numerous academic honors.

Hydeman was a first-team all-conference defender in the Mid-America Intercollegiate Athletics Association during the first season of league competition in that sport. She had only one point, an assist, during the 1999 season, but was a solid performer at one of the wing defender positions for the Lady Miner defense as the team finished with a 10-7-1 record. She was a two-year starter at that position after playing as a midfielder during her first two seasons at UMR.

Hydeman made the commissioner's academic honor roll for the third time this fall.

Finley honored as M-Club "Coach of the Year"

Charlie Finley, an assistant coach in the UMR track and field program and former head coach of the Miner football team, was named the M-Club "Coach of the Year." Finley works with the throwers at UMR and has had several of them reach personal bests and school records over the past two seasons. Finley also holds the most coaching victories by a UMR football coach with 100, as he posted a 100-100-10 record during his 20-year stint as head coach.

Robert Nicodemus Award presented

The Robert Nicodemus Award, presented to a top student-athlete on the football team, was given to junior center **Chris White**. White was an honorable mention All-MIAA player in the 1999 season.

1999-2000 most valuable players

The 1999-2000 most valuable players for each sport were also honored (the most valuable player awards for baseball and track and field were announced at a later date). *See 1999-2000 M-Club Most Valuable Players listing on page 24.*

Alumni Kids and Grandkids Come to UMR and \$AVE

If you live out of state, your college-bound child (or grandchild, effective for students entering UMR in fall 2000) could save some significant money by coming to UMR! Accepted students who qualify receive a \$5,500 Alumni Sons & Daughters grant.

The requirements: Student must be enrolled full-time; parent or grandparent must be a holder of an earned degree from MSM-UMR; student must have an ACT score of at least 24 and be in the top 25 percent of his/her high school graduating class; transfer students must have a 3.2 grade point average (on 4.0 scale); and must have completed 30 hours toward a degree; student must apply prior to June 15 of the year student plans to enroll; renewal of the grant, which is limited to four years per recipient, is available to any student receiving the grant who holds a grade point average of 2.75 or above.

For an application or for more information on this grant program, please contact the UMR admissions office at 1-800-522-0938 or through e-mail at UMRolla@umr.edu.

Please Note: This scholarship will supercede any other non-resident scholarship.

MINER SCHEDULE

Fall sports schedules
(All times Central)

For a complete schedule,
see www.umn.edu/~sports

Football

Sept. 2	Kentucky Wesleyan, HOME, 1 p.m.
Sept. 9	at Missouri Valley, 7 p.m.
Sept. 16	at Missouri Western, 6 p.m.
Sept. 23	Truman State, HOME (Hall of Fame Day), 1 p.m.
Sept. 30	at Emporia State, 2 p.m.
Oct. 7	Washburn, HOME (Homecoming), 1 p.m.
Oct. 14	Central Missouri State, HOME (Parents Day), 1 p.m.
Oct. 21	at Southwest Baptist, 1:30 p.m.
Oct. 28	Pittsburg State, HOME, 1 p.m.
Nov. 4	at Northwest Missouri State, 1 p.m.
Nov. 11	Missouri Southern, HOME, 1 p.m.

Men's Soccer

Aug. 30	at Southern Indiana, 7 p.m.
Sept. 2	St. Joseph's (Ind.), HOME, 4 p.m.
Sept. 3	Indianapolis, HOME, 3 p.m.
Sept. 10	at Indiana-Purdue-Fort Wayne, 2 p.m.
Sept. 16	Lincoln, HOME, 7 p.m.
Sept. 20	at Northeastern State, 6 p.m.
Sept. 23	William Woods, HOME, 6 p.m.
Sept. 29	Midwestern State, HOME, 7 p.m.
Oct. 1	Northern Kentucky, HOME, 1 p.m.
Oct. 11	Columbia College, HOME, 7 p.m.
Oct. 14	at Rockhurst, 2:15 p.m.
Oct. 17	at Missouri-St. Louis, 7:30 p.m.
Oct. 21	at Southwest Baptist, 4 p.m.
Oct. 22	at Truman State, 2 p.m.
Oct. 27	at SIU-Edwardsville, 6 p.m.
Oct. 29	at Quincy, 3 p.m.
Nov. 1	Missouri Southern, HOME, 7 p.m.

Women's Soccer

Aug. 20	at Lindenwood (Exhib.), 1 p.m.
Aug. 22	at Southeast Missouri State (Exhib.), 7 p.m.
Aug. 25	Minnesota State-Mankato, HOME, 2 p.m.
Aug. 27	Northern Kentucky, HOME, noon
Sept. 1	Southern Indiana, HOME, 7 p.m.
Sept. 10	at Indiana-Purdue-Fort Wayne, noon
Sept. 14	at Northwest Missouri State, 3 p.m.
Sept. 17	Harding, HOME, 1 p.m.
Sept. 20	at Northeastern State, 4 p.m.
Sept. 23	William Woods, HOME, 4 p.m.
Sept. 30	Central Missouri State, HOME, 2 p.m.
Oct. 7	St. Joseph's (Ind.), HOME, noon
Oct. 14	at Rockhurst, noon
Oct. 17	at Missouri-St. Louis, 5 p.m.
Oct. 21	at Southwest Baptist, 11 a.m.
Oct. 22	at Truman State, noon
Oct. 27	at SIU-Edwardsville, 8 p.m.
Oct. 29	at Quincy, 12:30 p.m.
Nov. 1	Missouri Southern, HOME, 5 p.m.



Coco honored by Alumni Alliance

Matteo A. Coco, CE'66, vice president of the building division of the J.S. Alberici Construction Co. Inc., at St. Louis, was honored with the Presidential Award for Outstanding Alumni Service to UMR. He received his award at the annual Legislative Recognition Day luncheon on Feb. 23 in Jefferson City.

A member of the UM Alumni Alliance since 1989, Coco is a past president of the MSM-UMR Alumni Association and a member of its board of directors. Actively involved with UMR, he is an Honorary Knight of St. Patrick, is a member of the Academy of Civil Engineers and the Order of the Golden Shillelagh, and has served on the UMR Board of Trustees and the Corporate Development Council. He is a long-time active member of the St. Louis Section of the MSM-UMR Alumni Association, and has served as a Class Coordinator, a Public Resource Ambassador, and on the Order of the Golden Shillelagh Executive Committee.

Alumni visit legislators to urge support

Alumni from all four campuses of the University of Missouri system gathered in Jefferson City on Feb. 23 to visit legislators and urge them to continue support for the university. At the same time, they gave each legislator a lithograph in thanks for past support.

The following alumni and friends attended the event for UMR: Art Baebler '55; Earl Bage '50; Lindsay Bagnall '76; Bob Bay '49; Don Brackhahn, Hon. '93; Matt Coco '66; Dick Elgin '74; Lawrence George, Hon. '89; Larry Hendren '73; Polly Hendren '73; Paul Jobe, Hon. '95; Bill Jurkiewicz, parent; Kraig Kreikemeier '63; John Mathes '67; John M. Miles '61; Paul R. Munger '58; James A. Nicks '77; Cal Ochs '49; Bob Patterson '54; Owen Redel '55; Paul G. Segura '88; Tom Schneider '75; Gary Schumacher '63; Neil Smith, Hon. '99; Lynn Stichnote, staff; Chris Wilson '73.

Paul Munger toasted in Kansas City, Mo.

Fifty-five MSM-UMR alumni, professional associates, former and current students, fellow faculty members and guests gathered on Feb. 3, at the Kansas City Club in Kansas City, Mo., for a social hour, dinner and roast honoring retiring civil engineering professor and alumnus, **Paul Munger**, CE'58. Willis Wilson was Master of Ceremonies and Will Grinstead presented gifts and remembrances as the group shared their memories of Munger's distinguished service. "Official" roasters were Paul Barber (U.S. Army Corps of Engineers), Jack Boyd (Transystems Inc.), Bob Wade (Bob Campbell and Assoc.), Rick Stephenson and Bill Schonberg of the UMR civil engineering department, and Kensey Russell (Shafer, Kline and Warren).

In addition to his distinguished teaching career and his renowned commitment to his students, many individuals mentioned Munger's involvement with the Missouri Professional Engineers Registration Board and his highly-respected work with the Hyatt Hotel case. His devoted service to the American Society of Civil Engineers at the local, regional and national level was also praised. To conclude the event, the Mungers were presented with

a gift certificate for Big Cedar Lodge, compliments of the attendees. Thanks to the coordinating committee of Willis Wilson, Will Grinstead, Robert Jenkins, Albert Kerr and Joseph Reichert for putting this event together.

In attendance were: Charles "Mac" '68 and Karen Andrew; Paul and Diane Barber; Jane Barshers; Jack and Rosie Boyd; Tom Buechler '71; Jim '67 and Lois Davis; Greg '94 and Sarah Effand; Roger '57 and Marilyn Feaster; Bernie and Amelia Fortmeyer and two sons; John Frerking '87; Will '55 and Rose Grinstead; Stan '75 '76 and Kathleen Harris; Paul '65 and Linda Hustad; Albert '64 and Margaret Kerr; Gary Kreson; Rob Krewson '96; Margaret Lineberry; Peter Manis '96; Patrick McLarney; Colin Miller; Donna Mosley '94; Paul '57 and Frieda Munger; Todd '98 and Amy '97 Owens; Todd Rastorfer '98; Ed Reichert '97; Joe Reichert '59; Kensey Russell; Dr. Bill Schonberg; Paul and Sara Spiden; Jim Steele '66; Dr. Rick Stephenson; Charles Strauss; Julie Turley; Bob Wade and guest; Anne Weller; Wayne '61 '73 and Linda Whitehead; Chris Wilson '73; Willis '73 and Nancy Wilson.

MSM-UMR Alumni Association Mission and Goals

MISSION

The association will proactively strive to create an environment – embodying communication with and participation by MSM-UMR alumni and friends – to foster strong loyalty to UMR and growth of the association. The association will increase its financial strength as well as provide aid and support to deserving students, faculty, and alumni friends.

GOALS

- Improve communication with and expand the involvement of alumni – especially recent graduates and current students.
- Increase financial resources of the association and the university.
- Strengthen alumni section activity.
- Increase volunteer support to the university and its students.
- Provide a vehicle for coordination with various alumni organizations.

The officers and other members of the association's board of directors provide leadership and actual participation to achieve these goals and fulfill this mission. For their efforts to be a success, they need YOUR active participation as well, in whatever alumni activities you choose.



Potential speakers wanted

Looking for a good excuse to return to campus? Why not sign up to be a member of the Speakers Bureau? Volunteers will be added to the list maintained by the Alumni Office. This list is given to student groups and faculty members each fall, to help them arrange programs and classroom speakers. Humanities/Liberal Arts/Social Science grads are especially encouraged to volunteer, as students in these areas are very interested in what you are doing in your career and would like to hear from you. If you'd like to share your expertise with today's students, just fill out the form below and mail or fax it to the MSM-UMR Alumni Association.

ALUMNI SPEAKERS BUREAU REGISTRATION FORM

Mail to MSM-UMR Alumni Association, Castleman Hall, UMR, 1870 Miner Circle, Rolla, MO 65409-0650 or fax to (978) 926-7986, or e-mail us at alumni@umr.edu.

Date: _____ Name: _____ Degree(s)/Year(s): _____

Address: _____
Street Address City State ZIP

Home Phone: _____

EMPLOYMENT HISTORY

CURRENT POSITION - Title: _____ Work Phone: _____

Company Name: _____

Address: _____
Street Address City State ZIP

Job Description: _____

IMMEDIATE PAST POSITION - Title: _____ Dates: _____

Company Name: _____ Work Phone: _____

Address: _____
Street Address City State ZIP

Job Description: _____

TOPICS AND/OR AREAS OF SPECIALIZATION

1. _____ 2. _____

3. _____ 4. _____

Availability: Evenings: _____ Days: _____ Weekends: _____

Organizations you are involved in: _____

Special Interests/Hobbies: _____

Additional Information and Comments: _____

(Please attach additional sheets, if more space is needed to answer any of the above information.)

MEMBER BENEFITS

As alumni of MSM-UMR, you are automatically a member of the Alumni Association and are entitled to:

Travel Tours:

Cruises and Tours that span the globe — 6 trips currently offered. See *Traveling with the Miners* on page 45

MSM-UMR:

chairs, lamps, watches, rings, pendants, Platinum/Gold MasterCard, License plates for Missouri residents

Career Assistance:

UMR's Career Opportunities Center will help you in your job search!

Alumni Association Services:

Access to alumni office via e-mail (alumni@umr.edu).

Alumni locator service to help you find lost friends.

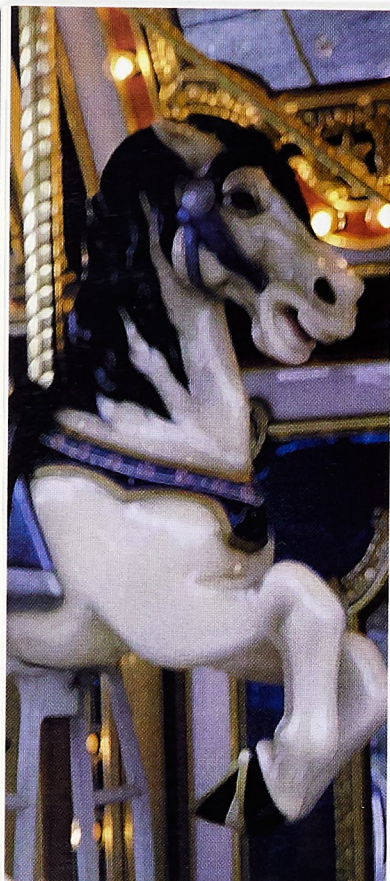
Address update service so you don't miss your MSM-UMR mail.

To take advantage of these offers, contact the Alumni Office:

MSM-UMR Alumni Association
 Castleman Hall
 University of Missouri-Rolla
 1870 Miner Circle
 Rolla MO 65409-0650

phone: (573) 341-4145
 fax: (978) 926-7986

e-mail: alumni@umr.edu
www.umr.edu/alumni



STUDENT-SPONSORED HOMECOMING ACTIVITIES

Call the Student Union Board at (573) 341-4220 for more information regarding specific events.

- **GAMES** Monday-Friday at the Hockey Puck, 12:30 p.m.
- **HOMECOMING BBQ** at the Hockey Puck, Monday, Oct. 2, 11 a.m.-2 p.m.
- **COMEDY SHOW AND INTRODUCTION** of Homecoming King and Queen Candidates, Wednesday, Oct. 4, UC-E Cafeteria, 8 p.m.
- **ALUMNI/STUDENT GOLF TOURNAMENT**, Friday, Oct. 6, 2-4 p.m.
- **HALFTIME ACTIVITIES** at the football game, Saturday, Oct. 7, Homecoming King and Queen will be crowned!

HOMECOM

CELEBRATING THE SUCCESS OF THE *FULL CIRCLE* CAMPAIGN

MONDAY, OCT. 2 — SUNDAY, OCT. 8

SCHEDULE OF EVENTS

Thursday, October 5

Noon	UMR Board of Trustees Meetings begin (luncheon, meetings and dinner), Silver & Gold Room, University Center-East (UC-E), 11th & Rolla Streets
4 p.m.	Academy of Mechanical Engineers Board of Directors Meeting (current and incoming officers and directors)
5:30-8:30 p.m.	Excel Professional Leadership Series Annual Fall Banquet, co-sponsored by the Excel Leadership Academy and the UMR Corporate Development Council, Reception 5:30-6:30 p.m. in the Miner Lounge, Banquet 6:30-8:30 p.m. in Centennial Hall UC-E
6 p.m. Reception, 7 p.m. Dinner 9:30 p.m.	Academy of Mechanical Engineers Induction Reception and Dinner, Zeno's Academy of Mechanical Engineers Networking, Zeno's Lounge

Friday, October 6

8-9 a.m.	MSM-UMR Alumni Association Academy Liaison Continental Breakfast and Meeting
8:11-30 a.m. 8:30 a.m.- noon	Corporate Development Council Team Meetings UMR Board of Trustees Meetings continue, Silver & Gold Room, UC-E
9 a.m.-4:30 p.m. 9 a.m.-4 p.m.	HOMECOMING REGISTRATION, Miner Lounge, UC-E Order of the Golden Shillelagh Hospitality Table, Miner Lounge, UC-E
9 a.m.-4 p.m. 9 a.m.-2:30 p.m.	UMR Archives Open House, G-2 Curtis Laws Wilson Library Academy of Mechanical Engineers Meetings, Carver-Turner Room, UC-E (business meeting, luncheon, afternoon meetings)
9 a.m.-2:30 p.m. 9:30-11:30 a.m.	Academy of Mechanical Engineers Spouse Program School of Mines and Metallurgy Alumni Academy Meeting, 124 McNutt Hall
11:30 a.m.-1 p.m.	Luncheon for Volunteer Leaders (Board of Trustees, Alumni Board, Corporate Development Council, Academies), Centennial Hall, UC-E (tickets required)
Noon	History/Political Science Advisory Board meeting, Meramec Vineyards, St. James
Noon-3 p.m.	Psychology Advisory Board Luncheon and Meeting, Meramec Room, UC-E
Noon-4 p.m. 12:30 p.m. 1-4 p.m.	Army ROTC Open House, Third Floor, Harris Hall Student Union Board Games, Hockey Puck Alumni/Student Golf Tournament (contact Student Union Board, (573) 341-4220, to sign up)
1-3:30 p.m.	Corporate Development Council Meeting, Southwestern Bell Multicultural Center, 1207 N. Elm St.
1:30-4:30 p.m.	Alumni Association Board of Directors Meeting, Missouri Room, UC-E
2:30-5 p.m.	Department of Mechanical and Aerospace Engineering and Engineering Mechanics Alumni Reception, at the home of department chair Ashok Midha, 808 Lariat Lane (Academy of Mechanical Engineering members, mechanical/aerospace/engineering mechanics alumni, faculty, staff and students)
2:30-4 p.m.	Chemical Engineering Alumni Reception, 145 Schrenk Hall

continued on page 30

HOMECOMING 2000

L CIRCLE CAMPAIGN!

8

BE SURE TO REGISTER FOR HOMECOMING 2000 IN THE MINER LOUNGE, SECOND FLOOR OF THE UNIVERSITY CENTER-EAST (CORNER OF 11TH AND ROLLA STREETS) AND BE THE FIRST TO GET THE FINAL SCHEDULE OF EVENTS!

JOIN US AT THE "MESSIAH" READ-IN!

Have a great time and help music students at the same time — join **Joel Kramme**, UMR assistant professor of music, and others in a read-through of Handel's "Messiah." Your admission fee of \$25 will be placed in the Frank & Nancy Mackaman Endowment to help fund participation in choir for students who couldn't otherwise afford to take the class. Open to all who are interested — alumni, current students, community members and other friends.

YOUR BEST CHANCE TO DANCE ALL YEAR!

Bring your dancing shoes and come to Centennial Hall at 8:30 p.m. on Friday for the Homecoming Dance! Bill's Music Machine will be playing the music YOU request, so you know it will be good. There will be free soda when you get thirsty and a cash bar if you'd like something stronger. Wear whatever's best for dancing — anything from jeans to dressy is OK!

ATTENTION: CLASS OF '75

Just 25 short years ago you were all here together...let's get back together and do it again this fall! Your class coordinators, led by **Delores James Hinkle**, are planning something wonderful for you at Homecoming, so mark your calendar and plan to be here.

FOOTBALL REUNIONS!

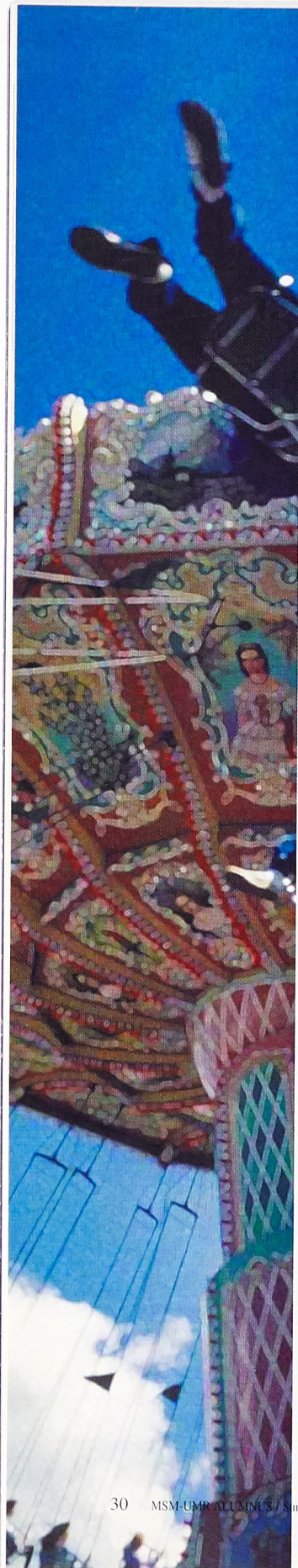
Class of 1950 Corn Bowl Football Team and Class of 1980 Undefeated Football Team
Join the Jackling Jocks for a mini-reunion in the Mark Twain Room, University Center-East, on Friday from 6:30-11 p.m. Get your food and drinks from the Silver & Gold and "huddle up" with the group in the Mark Twain Room for reacquaintance and reminiscing. On Saturday morning, look for the reserved signs at the Alumni Breakfast in the University Center-East Dining Hall and welcome the day together. Then attend the Fieldhouse Feed for lunch, and each group will have a special "class" reunion photo made of your team.

DON'T MISS THE FUN!

The Fieldhouse Feed Family picnic is especially geared for kids. You say you'd like to come to Homecoming but don't want the hassle of getting a sitter? Come for the day, bring the kids — you can enjoy yourself with your classmates while the kids enjoy "Lester's Learn & Play." Have a relaxed lunch, get in your class picture, then take the kids to the football game. Who knows, you might even learn to juggle!

THE GREATEST SHOW ON EARTH!





SCHEDULE OF EVENTS CONTINUED...

- 3-3:30 p.m. Chemistry Alumni Social, William H. Webb Reading Room (121 Schrenk Hall)
 3:30-5 p.m. Engineering Management Alumni Reception, Engineering Management Building Foyer
 3:30-5 p.m. Biological Science Open House/Nord Gale Retirement Reception, 105 Schrenk Hall
 3:30-4:30 p.m. Chemistry Seminar, Monsanto Hall (G3 Schrenk Hall)
 3:40 p.m. Physics Department Coffee & Doughnuts Reception
 4-5 p.m. Physics Seminar, 104 Physics
 4-5:30 p.m. Twelfth Annual Civil Engineering Alumni Reception, South Lawn, Butler-Carlton Hall (sponsored by the Academy of Civil Engineers and hosted by the officers of the student chapters of ACI, ASCE, AGC, EERI, ITE, IDC, WEF, Chi Epsilon, and the Alumni Committee of the Civil Engineering Advisory Council). All CE alumni, faculty, staff, students and friends are invited.
 4-5:30 p.m. Electrical and Computer Engineering Alumni Reception, Emerson Electric Company Hall First Floor Lobby
 4:30-6 p.m. Fourth Annual Kerasos Ceramic Engineering Alumni Homecoming Barbecue, McNutt Hall Quadrangle Area (McNutt Hall Commons if bad weather)
 6 p.m. Chemistry Dinner
 6:15 p.m. College of Arts & Sciences Dean's Board of Visitors Meeting
 6:30-8:30 p.m. SILVER & GOLD REUNION COCKTAIL BUFFET, Centennial Hall, UC-E (roast pig, delicious hors d'oeuvres and your choice of "liquid refreshment")
 8 p.m. Physics Alumni Reception, home of Ed & Barbara Hale, 821 Oak Knoll Road
 8:30-11 p.m. HOMECOMING DANCE, Centennial Hall, UC-E. Come and get down to music by request from Bill's Music Machine. No charge for this event; free soda, and cash bar available.

Saturday, October 7

- 7:30-9:30 a.m. ALL-ALUMNI BREAKFAST BUFFET, Dining Hall, UC-E (all-you-can-eat scrambled eggs, bacon, sausage, biscuits and gravy, mixed fresh fruit salad, homemade danish, juice and coffee)
 7:30-10:30 a.m. HOMECOMING REGISTRATION continues in Miner Lounge, UC-E (registration moves to Bullman Multi-Purpose Building at 11 a.m.)
 8-10:30 a.m. Order of the Golden Shillelagh Hospitality Table, Miner Lounge, UC-E
 8-10:30 a.m. ALUMNI LEADERSHIP CONFERENCE, Mark Twain Room, UC-E
 8-9:30 a.m. — Section Leaders Session
 9:30-10:30 a.m. — Admissions Ambassadors Session
 8 a.m.-1 p.m. College of Arts & Sciences Dean's Board of Visitors Meeting
 8:30 a.m. Order of the Golden Shillelagh Executive Committee Meeting, Castleman Hall 2nd Floor Conference Room
 9 a.m. SME Student Chapter Alumni Steak & Eggs Breakfast, Lion's Club Park
 9:30 a.m.-4:30 p.m. UMR Bookstore open for alumni and visitors, University Center-West
 10 a.m.-Noon UMR Coatings Institute Open House, Bureau of Mines Building #2
 10 a.m.-Noon Teacher Education Alumni & Friends Brunch, Carver-Turner Room, UC-E (send \$10 payment to Evalée Lasater, 234 Humanities-Social Sciences Bldg., 1870 Miner Circle, Rolla, MO 65409, or call (573) 341-4692 or e-mail lasater@umr.edu for reservations)
 10 a.m.-Noon Chemistry Brunch
 11 a.m.-1 p.m. UMR Athletic Hall of Fame open to visitors
 11:30 a.m.-1:30 p.m. FIELDHOUSE FEED REUNION "FAMILY PICNIC" LUNCHEON for all alumni, family and friends, Gale Bullman Multi-Purpose Building. (Charcoal-grilled hamburgers and hot dogs, assorted mixed salads, potato chips, fresh fruit, chocolate cake, lemonade, iced tea, coffee.) Jugglers, clowns, balloon animals, face painting and other family activities, so bring the kids! Features reserved seating for the reunion classes of 1949 and before, 1950, 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000.
CLASS PICTURES WILL BE TAKEN AT NOON!
 Noon Women's Soccer vs. St. Joseph's College, UMR Soccer Complex
 Noon Biological Science Alumni Luncheon and "Roast" of Nord Gale, Zeno's
 1 p.m. Football Kickoff - MINERS VS. WASHBURN UNIVERSITY Ichabods, Jackling Field
 4:30-5:30 p.m. Miner Music Section Meeting, 138 Castleman Hall (Choir Room)
 5 p.m. Catholic Newman Center Mass followed by wine & cheese reception, Newman Center
 5-5:45 p.m. College of Arts & Sciences Alumni Reception, Carver-Turner Room, UC-E
 6:15 p.m. CASH BAR RECEPTION, Miner Lounge, UC-E
 7-9 p.m. AWARDS BANQUET, Centennial Hall, UC-E (romaine salad with Mandarin oranges and almonds, chicken with champagne sauce, Dijon roasted potatoes, baby whole carrots, white chocolate mousse in chocolate cups, rolls and beverages), followed by the MSM-UMR Alumni Association Annual Meeting
 7 p.m. Alpha Phi Alpha Fraternity, Black & Gold "Miss Epsilon Psi" Ball, Rolla Lions Club
 8 p.m. Residence Hall Association Homecoming Dance, Hockey Puck (Miner Recreation Building in case of inclement weather)

Sunday, October 8

- 8:30-10 a.m. Order of the Golden Shillelagh Brunch, Carver-Turner Room, UC-E, \$7.50. For OGS members and anyone interested in joining. Contact Lucy Sutcliffe at (573) 341-4490 for reservations and further information.
 1 p.m. UMR Advisory Committee for African-American Recruitment and Retention Meeting, Missouri Room, UC-E

HOMECOMING 101

Learning is fun!

Mark the number of tickets you need in each circle.

FRIDAY, OCTOBER 6

12-1 p.m.
Dr. Paul F. Cretin '69
a business/industry specialist with University of Missouri Outreach and Extension, has been providing education services to small- and medium-sized businesses for the past 23 years. If you have been kicking around the idea of **starting your own business**, this course is for you. Course participants will be introduced to planning, financing and managing their own businesses.

FRIDAY, OCTOBER 6

2-3 p.m.
Multicultural Poetry Reading: Toni Scott has done dramatic readings and interpretations throughout the state. She and current UMR students will lead a "expand your cultural horizons" and see how the campus environment at UMR has evolved since you were here, plus meet some of our outstanding student performers.

FRIDAY, OCTOBER 6

1-2 p.m.
Oak Leaves and Shillelaghs: Dr. Jack Ridley will present an engaging history of MSM-UMR over the last 130 years. Ridley is easily one of the most popular professors on campus due to his wonderful teaching style. Don't miss this chance to hear a terrific lecturer and get to know the history of your alma mater.

FRIDAY, OCTOBER 6

3-4 p.m.
The Process Managed Business: Need an edge in today's competitive world? No matter what your business or job, you can make your workplace faster, more flexible and more responsive to customers by becoming a "Process Managed" business. **Greg McClain '72** of the Business Process Excellence group at John Deere Co. will provide practical tools for shifting the focus of your operation to process management over time.

FRIDAY, OCTOBER 6

4-5 p.m.
The Expanding Universe of Military and Civilian Satellite Technology: Satellite technology, as mundane as our cell phones and pagers, and as sophisticated as the NASA missions, touches all of our lives. **Dr. Ann Miller** was the former deputy assistant secretary of the Navy for command, control, communications, computing, intelligence, electronic warfare and space. Her insider's view of satellite communications is sure to fascinate both technical and non-technical attendees alike.

SATURDAY, OCTOBER 7

10:30-11:30 a.m.
Five Steps to Clearer Writing
Center for Writing Technologies, 113 Campus Support Facility. **Dr. Linda Bergmann**, Director of Writing Across the Curriculum at UMR, will present a short, hands-on version of "The Little Red Schoolhouse" principles, which have been widely applied in professional writing workshops nationwide. These steps will improve writing of all kinds, in all fields—really!

SATURDAY, OCTOBER 7

9:30 am to 10:30 am
Eloquent Engineers? Who said UMR Engineers couldn't communicate?
The UMR student chapter of Toastmasters International was tops in the 1998-1999 international club rankings, beating out over 4,000 corporate, government, community, and student clubs. Past club president **Vanessa Goodwin BS ChE '99** and advisor **Dr. Steve Watkins E&CE '83** describe how the club promotes communication excellence and how anyone can improve their speaking and leadership skills.

There is **NO CHARGE** for these sessions, but tickets are required, as seating is limited — so make your reservations now!

LODGING

For your convenience, we have compiled a list of local motels and bed & breakfast establishments (all phone numbers are area code 573).

The following are members of the Rolla Area Chamber of Commerce:

BED & BREAKFAST

4-M Vineyards, Rosati Winery, Rosati/St. James, 265-6880

Painted Lady Bed & Breakfast, St. James, 265-5008

HOTELS/MOTELS

- * Best Western Coachlight Inn, 341-2511 (800-528-1234)
- Budget Deluxe Inn, 364-4488
- * Days Inn, 341-3700
- * Drury Inn, 364-4000 (800-325-8300)
- * EconoLodge, 341-3130 (800-446-6900)
- * Hampton Inn, 308-1060 (1-800-HAMPTON)
- ** Holiday Inn Express, 364-8200
- ** Howard Johnson Lodge, 364-7111, (800-446-4656)
- * Ramada Inn, 364-7977
- * Rustic Motel, 364-6943 (800-458-9279)
- * Western Inn (formerly TraveLodge), 341-3050
- ** Zeno's Motel and Steak House, 364-1301

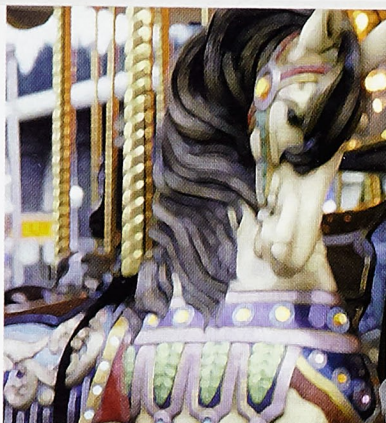
Other lodging in the Rolla area, but not members of the Chamber of Commerce, are the following:

- * A Miner Indulgence Bed & Breakfast, 364-0680
- * American Motor Inn, 341-2555
- ** Comfort Inn, St. James, 265-5005
- * Interstate Bestway Inn, 341-2158
- Rock Eddy Bed & Breakfast & Country Stay, Dixon, 759-6081, (800-335-5921)
- * Super 8 Motel, 364-4156
- Sooter Inn, 364-1333
- * Wayfarer Inn, 364-3333

* Indicates pool

** Indicates indoor pool

For information on other lodging options, campgrounds and RV parks in Central Missouri, please call the Rolla Area Chamber of Commerce at (573) 364-3577.



RESERVATIONS

Please make your reservations early, as some activities are limited. Fill out the form below and **mail, FAX, or call in your reservations by Sept. 15, 2000, to pre-register.**

YOUR TICKETS WILL BE READY FOR YOU TO PICK UP AT THE REGISTRATION DESK WHEN YOU ARRIVE ON CAMPUS AT HOMECOMING.

BY MAIL: Enclose check (or charge card information), fold and tape edges.
BY FAX: 978-926-7986, 24 hours a day — be sure to include your credit card information.
BY PHONE: (573) 341-4145, 9 a.m.-4 p.m., Monday-Friday — have your credit card handy.

EVENTS

#TICKETS

- _____ Silver & Gold Reunion Cocktail Buffet — \$18/person
- _____ Homecoming Dance — NO CHARGE, but ticket required for admission
- _____ All-Alumni Breakfast Buffet — \$8/person, age 7-12 \$4, under age 7 free
- _____ Fieldhouse Feed Reunion "Family Picnic" Luncheon — \$10/person, age 7-12 \$5, under age 7 free
- _____ **Reunion class photos will be taken at this event!**
- _____ Miners vs. Emporia State University Hornets — \$5/person, under age 7 and Golden Alumni free
- _____ Awards Banquet for the presentation of Alumni Achievement, Merit and Service Awards; Distinguished Young Alumnus Awards; Honorary Life Membership; Frank H. Mackaman Alumni Volunteer Service Award; Outstanding Student Advisor Awards; Outstanding Staff Member Awards; Alumni Excellence in Teaching Award; Outstanding Alumni Section Awards — \$20/person
- _____ **Tickets for ALL events — \$61/person and \$28 for Golden Alumni!**
- _____ Golden Alumni (those who graduated 50 or more years ago) receive a 50 percent discount on all tickets except football, which are complimentary from the athletic department.

Name #1 _____
 Name #2 _____
 Address _____
 City/State/ZIP _____
 Home Phone _____ Work Phone _____
 Class Year _____ Discipline _____

PLEASE MAKE CHECKS PAYABLE TO: MSM-UMR ALUMNI ASSOCIATION

Check enclosed in the amount of _____
 Please charge to my credit card: ☐ Visa ☐ Mastercard ☐ AMEX ☐ Discover
 Card number _____ Expiration date _____
 Name as printed on card _____
 Signature _____

- Don't forget to check at the Registration Desk in the Miner Lounge (University Center-East, second floor) for late entries into the schedule of events!
- For assistance with Homecoming reservations for meals, football game or short courses, please call or write: Alumni Office, Castleman Hall, 1870 Miner Circle, Rolla, MO 65409-0650
 Phone: 573-341-4145
 Fax: 978-926-7986
 E-mail: alumni@umr.edu



CLASS COORDINATORS

GOLDEN ALUMNI

Hubert S. Barger
 Robert D. Bay
 Elmer W. Belew
 Jerome T. Berry
 Robert M. Brackbill
 William D. Busch
 Ronald L. Carmichael
 James B. Chaney
 Michael J. Delany
 Peter E. DesJardins
 Paul T. Dowling
 Robert L. Elgin
 Donald H. Falkingham
 Carl E. Finley
 Jack E. Fleischli
 William H. Gammon
 Robert V. Gevecker
 Alden G. Hacker
 Joseph T. Hepp
 James W. Hoelscher
 Nick Holloway, Jr.
 Joseph W. Howerton

THEODORE W. HUNT

Theodore W. Hunt
 Raymond O. Kasten
 Vernon L. Kasten
 Walter H. Kiburz
 James B. McGrath
 John B. McKee
 Arthur R. Meenen
 Harold G. Moe
 R. Gill Montgomery
 Oscar M. Muskopf
 Melvin E. Nickel
 William F. Oberbeck, Sr.
 James R. Paul
 E. L. "Roy" Perry
 Herman J. Pfeifer
 Robert A. Pohl
 Charles R. Remington
 Paul B. Rothband
 Rodney A. Schaefer
 Joseph N. Strubert
 Ronald A. Tappmeyer
 John B. Toomey
 Carl J. Weiss

CLASS OF 1950

Stanley Dolecki
 Aaron J. Greenberg
 Thomas A. Herrmann
 J. Richard Hunt
 Charles O. Kunz
 Edward P. Kyburz
 Lawrence A. Spanier
 Robert A. Strain
 Ralph E. Wolfram

CLASS OF 1955

Arthur G. Baebler
 Campbell C. Barnds, III
 Wayne R. Broadbudd, Jr.
 William M. Hallett
 James F. Hespen
 Richard L. Kaiser
 Frederick S. Kummer, Jr.
 Robert B. Oetting
 John W. Padan

CLASS OF 1960

Paul W. Benz
 Bruce L. Bramlitt
 Glenn E. Cordes
 Virgil J. Flanagan
 Jerry L. Gilmore
 Don J. Gunther
 Michael C. Kearney
 Kenneth W. Wood

CLASS OF 1965

Gerald W. Bersett
 Milton F. Bradley
 James E. Cornelison
 James R. Cunningham
 William M. Farrell, Jr.
 Daniel K. Goodman
 Robert J. Kaddwell
 Walter C. Mulyca
 Robert L. Otto
 Charles H. Toedtman
 Clyde A. Vandivort

CLASS OF 1970

Eric D. Dunning
 Dennis F. Jaggi
 Roger A. LaBoube
 Thomas W. Manning
 Larry J. Oliver
 Anne M. Springer
 W. Keith Wedge

CLASS OF 1975

25-Year Reunion
 Delores J. Hinkle
 (lead coordinator)
 Nicholas E. Barrack
 Michael T. Gilliam
 Craig S. Korkoian
 Robert J. Kostelnik
 William J. Peach
 Kevin C. Skibiski

CLASS OF 1980

Gino L. Balducci
 Thomas A. Dittmaier
 Joseph J. Gabris
 Charles B. McField, Jr.
 Mark G. Viox
 Keith D. Wesselschmidt
 Robert J. Wille

CLASS OF 1985

Greg M. Bolon
 John M. Brown
 Kamila Jean Cozort
 Randal Scott Curtis
 Jeffrey Allen Hiller
 Sharri Lynn Hiller
 Ronald G. LaManque
 Laura E. Pagano
 Gregory D. Skannal
 Michael G. Wisland

CLASS OF 1990

Craig Alan Bailey
 Cynthia L. Bailey
 Gregory Leonard Fleg
 Susan M. Fleg
 Kimberly Ann Hoffmeister
 Christopher Allen Layton
 Cynthia June Moses
 Katherine Ann Phillips
 Robert L. Phillips
 Amy Horst Ruggeri
 Loren Preston Whetsel

The CLASS OF 1995 coordinators have not been selected yet...if you'd like to volunteer, please contact Lindsay Bagnall in the alumni office at (573) 341-4195 or by e-mail at lindsayb@umr.edu



Section News

Air Capital Section

St. Pat's party and business meeting

Jarrold Grant, 2200 South Rock Road, Apt. 1406, Wichita, KS 67207

On Friday, March 17 the Air Capital Section began its St. Pat's party with a little green beer, some mingling and a meal at the House of Schwan in Wichita, Kan. The section then held a business meeting and elected the following officers: Jarrod Grant, president; Laura McLaughlin, vice president; Jennifer Marshall, secretary/treasurer; Kirk Peterson, activities chair; Christy Hargrove, student assistance chair; Tony McLaughlin, membership chair, and Sean Daly and Jim Parker as members-at-large. Once business was concluded, the meeting was adjourned and the group returned to enjoying green beer and NCAA basketball games on the big screen! Thanks to John Goethe and the activities committee for coordinating the event.

In attendance were Sean Daly '96, John Goethe '92, Jarrod Grant '98, Christy Hargrove '96, Jennifer Marshall '96, Tony '98 and Laura '99 McLaughlin, Jim Parker '78, Kirk Peterson '95, Randy '83 and Jil Schuetz.

Ark-La-Tex "Compresses" a lot into winter meeting

Kenny Cochran, 1827 Northwood Court, East, Longview, TX 75605

Historic Natchitoches, La., was the site of the Ark-La-Tex winter meeting on Jan. 22. Seventeen alumni and friends participated in a plant tour of a world-class scroll facility at Alliance Compressor (a division of Emerson Electric), led by Jeff Risinger, human resource manager. It was impressive to see such new technology being produced in our area. The group then adjourned for "attitude adjustment," a business meeting and a delicious dinner at Mariner's Seafood and Steakhouse. Business discussed included upcoming college fairs in Longview and Bossier City, the spring meeting scheduled for Caddo Lake, and the summer activity at Louisiana Downs racetrack. Don Brackhahn and his spouse, Nancy, journeyed from Rolla to update us on the latest developments at UMR.

Those attending included: Phil '48 and Ardella Browning, Elmond Claridge '39, Ken '83 and Beth Cochran, Clydelle Compton, Ernie '70 and Gerry Green, Loretta Moscardi, Walt Mulyca '65, Jerry '82 and Tammy Poland, Gene '62 and Judy Rand, Eric Madison, Mr. and Mrs. Mike Rhoden and Don and Nancy Brackhahn.



Left: Miners relax on the verandah after a hard day's plant tour. Above: Ark-La-Tex winter meeting attendees: Back row (l to r), Gene '62 and Judy Rand, Gerri and Ernie Green '70, Kenny '83 and Beth Cochran, Jerry '82 and Tammy Poland; front row (l to r), Clydelle Compton, Edmond Claridge '39, Loretta Moscardi, Ardella and Phil '48 Browning, Walt Mulyca '65.



Ed Owsley presents Dottie Wolf with an award in recognition of Bob Wolf's dedication and service to the St. Pat's Honorary Knights at this year's St. Pat's banquet in Rolla.

Mid-Missouri Section makes no "Bones" about holiday fun, officer elections

Bob Sfreddo

sfreddb@mail.modot.state.mo.us

Bone's restaurant was the spot for MSM-UMR alumni and friends to gather for a holiday party and officer election. Lots of fellowship, delicious finger foods and cold drinks helped banish the post-holiday blues. Lynn Stichnote of the alumni office shared a campus update with the group. Current President Darleen Westcott spoke about scholarship awarding, upcoming activities and the officer elections. The following slate of officers was then presented and approved: Bob Sfreddo, president; Chris Kump, vice-president; Kenny Voss, secretary/treasurer; and Dan Carey, scholarship committee chairman. The rest of the evening was devoted to socializing.

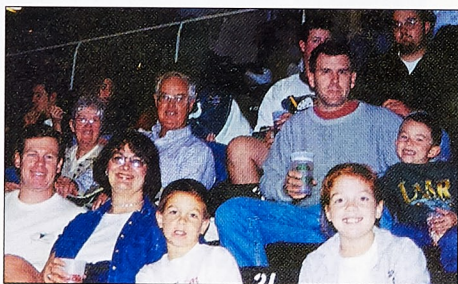
Those attending were: Tom Fennessey '78, Brenda Spell '92, Bill Ernst '72, Shannon '96 and Troy '97 Pinkerton, Jessica Thomas '97, Anika '98 and Jacob '98 Careaga, Don '58 '66 and Linda Modesitt, Steve Durham '91, Thomas Nield '94, Bob Sfreddo '58, Aaron '92 and Connie Schmidt, Donna and Ken '86 Volmert, Eric Cloud '98, David Maschler '93, Kenny Voss '96, Chris Kump '95, Ben Groner '92, Darleen Westcott '92 and Lynn Stichnote.

Cincinnati/Dayton Christmas potluck dinner

Skip Dunham, 2843 Cranbrook Drive, Cincinnati, OH 45251

A small but merry group of Miners gathered at the home of Bill and Kelly Bohnhoff in Loveland, Ohio, on Friday, Dec. 10, 1999, for a potluck dinner and holiday party. Special thanks go to the Bohnhoffs for sharing their home and hospitality, and to Amy Dunham for helping to arrange the event. The group had an excellent dinner and shared ideas on how to keep the section active and attract new members with special emphasis on attracting folks from both Dayton and Cincinnati to section events.

Attending were: Bill '83 and Kelly Bohnhoff, Amy and Skip '85 Dunham, Lamar '95 and Vicky '92/94 Gerber, Betty and Jim '57/60 Johnson and Dick '58 and Julie Okenfuss.



Miners cheer on the Mighty Ducks at the Gardens in Cincinnati. Front row (l to r): Bill, Kelly, Curtis and Amanda Bohnhoff. Back row (l to r): Julie and Dick Okenfuss, Skip and Stone Dunham.



Cincinnati/Dayton Miners at the Bohnhoff home. From left: Julie and Dick Okenfuss, Bill and Kelly Bohnhoff, Jim and Betty Johnson and Lamar and Vicky Gerber. Not pictured, Amy and Skip Dunham.

Cincinnati/Dayton cheers on the Mighty Ducks

The Cincinnati/Dayton Section was looking for a good family activity and found it in the Mighty Ducks minor league hockey game. The Miner crowd was small but loud and boasted a number of "future Miners" who enjoyed the fast-paced action. The event was held on Sunday, Nov. 14, 1999. Thanks to Amy Dunham for planning the activity.

Those attending included: Bill '83, Kelly, Curtis, and Amanda Bohnhoff, Julie and Dick '58/60 Okenfuss, and Skip '85, Amy and Stone Dunham.

Cincinnati/Dayton celebrates St. Pat's

The BW-3 Bar and Grill in Middletown, Ohio was the site of the Cincinnati/Dayton Section St. Pat's party on Saturday, March 18. A group of 14 alumni and friends sported lots of green and shared memories of their days at MSM or UMR. Several new faces were at the event and plans were discussed for future section activities. Lynn Stichnote of the alumni office gave an update on campus developments and there was much discussion of recruitment activities the section might pursue in the area. Amy Dunham shared some games to test attendees' UMR trivia knowledge and several nice prizes were given out in a drawing. Elections were held with the following results: Skip Dunham, president; Jay Johns, secretary/treasurer; Lamar Gerber, webmaster; and Charles Bost, scholarship chair. After electing officers, everyone went back to enjoying the good food and enjoyable company. Special thanks are due to Suzanne Metzner and Amy and Skip Dunham for organizing and hosting the event.

Those joining in the fun were: Charles '63 and Betty Bost, Skip '85 and Amy Dunham, Susan Fultz '87, Vicky '92 '94 and Lamar '95 Gerber, Colin Hester '98 and Anne Marie Daniel, James (Jay) Jones '71, Gene Kalhorn '67, Suzanne Metzner '91, Bev and Robert '51 Shields and Lynn Stichnote.

Cincinnati/Dayton Section cooks up a tasty event

Fifteen Miners and friends had a wonderful section activity at the Valley Vineyards in Morrow, Ohio. Members of the group enjoyed wine tasting followed by a dinner which featured "cook your own" New York strip steak, great side dishes and fine wine. No injuries (to people or steak) occurred during the cooking which indicates responsible wine-tasting beforehand!

Those enjoying the great food included: Colin Hester '98 and Anne Marie Daniel, Bob '70 and Carolyn Wilmesherr, Robert '51 and Bev Shields, Mike '75 and Susie Sheridan, Becky '92 and Matt '92 Duneheew, Bill '83 and Kelly Bohnhoff, Amy and Skip '85 Dunham and Nathaniel and Suzanne '93 (Reeves) Brooks.

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WE WANT YOUR NEWS!

Deadlines for upcoming issues of the MSM-UMR *Alumnus* are:

Winter 2000
deadline: Sept. 20, 2000

Spring 2001
deadline: Jan. 5, 2001



Dallas-Fort Worth celebrates St. Pat's Texas style

Warren Unk, warren_unk@adc.com

Thirteen was a lucky number for the Dallas-Fort Worth Section on Saturday, March 11, as 13 Miners and guests gathered at the home of Warren Unk in Plano, Texas, to enjoy unlimited sandwiches, snacks and liquid refreshments, and celebrate St. Patrick's Day. Lots of green attire and recollections of St. Pat's at UMR were features of the day. Thanks go to Warren for organizing the event and serving as the host with the most.

Those who were "Irish for the day" at Warren's included: Glenn '83 and Mindy '84 Brand, Charles P. Conrad '71, James Munsey '94, Harry '50 and Sibyl O'Dell, Julie Peterson and Warren Unk '91, Frank '60 and Carolyn Shadwell, Gary Warren '77 and William Yan '80.

Kansas City Section's 6th Annual St. Pat's party

Joe Reichert, 7312 Charlotte, Kansas City, MO 64131

Saturday, April 11, at St. Ann's Parish in Prairie Village, Kan., 29 Miners and guests gathered to celebrate St. Pat's 2000 and reminisce about St. Pat's past in Rolla. Alumni attending ranged from graduation years of 1956 to 1999. Lynn Stichnote of the alumni office gave a campus update and special prizes were awarded as follows: Sam Otto was "greenest," "least recent grad" was Richard Herndon '56, youngest alumna went to Mandy Wedertz '99, and Richard Jaquay won the door prize. The corned beef and cabbage dinner was delicious, the companionship was great and the section is looking forward to making the 7th Annual KC St. Pat's party the "best ever" next year.

Those in attendance were: Robert '74 and Carolyn '74 Adkins, Craig '88 and Wendy Borgmeyer, Gary '67 and Barbara Fouts, John '87 and Mary Frerking, Larry '64 and Carolyn Gilmartin, Richard '56 and Betty Herndon, Richard '63 and Barbara Jaquay, Sam '82 and Jane Otto, Ed Reichert '97 and Jennifer Jankowski, Joseph F. '59 and Mary Reichert, Steve Squibb '98, Cliff '57 and Bettie Tanquary, Craig Tyhurst '95, Jim Van Acker '98 and Carrie Bonghner, Mandy Wedertz '99 and Amie Wood '98.

Rocky Mountain

St. Pat's party

Clancy Ellebracht, 7336 S. Glencoe Court, Littleton, CO 80122

Twenty-six Miners and guests met at Fiore's Banquet Room in Littleton, Colo., to celebrate St. Pat's on March 18. Special thanks go to Clancy Ellebracht who hosted and organized the event. Everyone shared personal and career updates, socialized, planned for future events and drew for door prizes. Many memories were shared of St. Pat's celebrations at Rolla. The evening was a real success for all. The next event will be a baseball game, the Rockies versus the San Diego Padres, on July 22.

St. Pat's attendees included: Dave Bufalo '66 and Cindy Powers; Clancy '64 and Sharron Ellebracht; Jessica Gorman '97 and Jeff Lewallen '95; Linda Jacobs '80 and Rick Sublette; Randy '74, Cherie, Amy and Allyson Kerns; Jack '59 and Pam Lutz; Dave '82 and Shelley Madonna; Tim '76 and Cathy O' Neill; Ken '77 and Debra Ortmann; Marshall '76 and Barb Shackelford; Roger Taylor '72 and Lynn Kincaid.

Central Ozarks Section welcomes returning alumni

Alumni coming back to Rolla to celebrate St. Pat's joined members of the Central Ozarks Section for a pre-parade warm-up on Saturday, March 18, in the alumni lounge in UMR's Castleman Hall. Alumni St. Pat's Board and Committee reps compared jackets and reminisced about former St. Pat's celebrations. Even the 2000 Queen of Love and Beauty Stacy Heather was on hand to greet guests and share in the fun.

Alumni and friends attending included: Neal '61 and Lynn Grannemann; Ashok, Chris and Prem Midha; Joan Bast (widow of George Bast '62); Don and Nancy Brackhahn; Lindsay '76, Kent '76, Hannah and Lydia Bagnall; Kassia Amendola; Randy Verkamp '72; Jerry Berry '49; Mike Tindill '77; Mindy '84 and Glenn '83 Brand; Nick Quartier '80; John '73 and Nancy Keating; Gary '78 and JoAnne Taggart; Armin Tucker '40; Norman Tucker '40; Greg Harris; Darlene '84 and Chris '83 Ramsay; Don Spencer '52; Bill Todd '49; Anne Weller; Joe Sillyman '77; Stacy Heather; Tom Michalak '84; Doug Millar '89; Brad Wadle '91; Scott Muskopf '84; Rich Gnecco '85; Jeff Rakestraw '83; Lawrence and Catherine George; Mike '76 and Eileen Jerome; Mark Bruno '70; Bill Zaner '74; Neil Smith; Joel '86 and Ann '84 Brand; Stewart Scott '73; D.C. and Pat '76 Look; Kelley, Dwight, Matthew, Kristin, Darren, Emily and Sarah Look; Bill '67 and Jamie Anderson; Susan Mills '95; Betty Eyberg '50; Jan Ostborg; Kim McGinnis '79.



ALUMNI SECTIONS

AIR CAPITAL

Jarrold Grant '98
2200 South Rock Road
Apartment 1406
Wichita, KS 67207
Jarrod.Grant@Wichita.BOEING.com

ALASKA

John W. Hentges '89
13501 Ebbtide Circle
Anchorage, AK 99516

ARKANSAS

Charles Germer '55
P.O. Box 23267
Little Rock, AR 72221

ARK-LA-TEX

Kenny Cochran '83
1827 Northwood Ct.
Longview, TX 75605

BAY AREA

Deanna Rozgay '91,
2101 Otis Drive #G,
Nameda, CA 94510

CENTRAL OZARKS

J. Randy Verkamp '72
18112 Highway 8
St. James, MO 65559

CHICAGO

Kerry Knott '96
237 Mantle Lane, #109
Carol Stream, IL 60188
Kerry.Knott@ipaper.com

CINCINNATI/DAYTON

Millard "Skip" Dunham '85
2843 Cranbrook Drive
Cincinnati, OH 45251
msdnakd@one.net

DALLAS/FORT WORTH

Warren Unk '91
1507 Hayfield Drive
Plano, TX 75023

GEORGIA

David R. Ziegler '85
1531 Huntington Drive
Marietta, GA 30066-5907

HEARTLAND

Don Fuller '66
100 Bentwood Drive
Paducah, KY 42003-0998

HOUSTON

Dan Wright '89
14106 Champion Village
Houston TX 77069

KANSAS CITY

Joseph F. Reichert '59
7312 Charlotte
Kansas City, MO 64131

LINCOLNLAND

Jerry Hirlinger '86
4100 Lavender Lane
Springfield, IL 62707

MARYLAND/VIRGINIA/D.C.

Doug Hughes '63
1212 Finneans Run
Arnold, MD 21012
W3ho@aol.com

MID-MISSOURI

Bob Sfreddo '58
1719 Forest Park Court
Jefferson City, MO 65109

MIDDLE-TENNESSEE

Christina Cook '95
3100 Arrow Lane
Clarksville, TN 37043

MINER MUSIC

Thomas H. Rogge '93
835B Westbrooke Village
Manchester, MO 63021

MOTOR CITY

Robert L. Seaman '69
29812 Briarwood Court
Farmington Hills, MI
48331-1921

NORTHEAST OHIO

Hugh C. Kind '76
1021 Morewood Parkway
Rocky River, OH 44116

NORTHERN ALABAMA

John P. Dunbar '84
622 Patterson Lane
Meridianville, AL 35759-1028

OKLAHOMA

Jeanne Barkley '96
1512 W. Keywest Street
Broken Arrow, OK 74011

PACIFIC NORTHWEST

Keith Wilham '69
17229 NE 40th St., #D
Redmond, WA 98052

ROCKY MOUNTAIN

Clarence A. Ellebracht, Jr. '64
7336 S. Glencoe Court
Littleton, CO 80122-2527

SAINT LOUIS

M. Shannon Lambert '90
153 East Rose Hill Avenue
Kirkwood, MO 63122

SOUTHERN CALIFORNIA

Kenneth G. Riley '56
3390 Monterey Road
San Marino, CA 91108-1830

SPRINGFIELD, MO

Roddy J. Rogers '81
City Utilities, P.O. Box 551
Springfield, MO 65801

TUCSON

William M. Hallett '55
P.O. Box 64216
Tucson, AZ 85728-4216

WEST FLORIDA

John Van Nort '50
4908 W Country Club Drive
Sarasota, FL 34243

WEST TEXAS

J. Michael Party '78
6209 Driftwood
Midland, TX 69707-1603



MSM-UMR Alumni sport their green and enjoy a terrific day at the Hughes home.

Maryland/Virginia/DC: matchmakers and merry makers on St. Pat's

Robert Scanlon, 2408 Honeystone Way, Brookeville, MD 20833,
rjscanlon@erols.com

On Saturday, March 18, the MD/VA/DC Section held its annual St. Pat's Party at the home of Doug and Sandy Hughes in Arnold, Maryland, just north of Annapolis (thanks to Doug and Sandy for sharing their beautiful home and hospitality). Twenty-four alumni, guests and children (i.e., future Miners) donned their favorite St. Pat's attire, enjoyed a delicious potluck lunch and a gorgeous spring day. Miners shared their favorite non-study pastime in Rolla and identified a text, if any, that they still use in their work. The winner was *Fields & Waves*, that several of the EE's/Nuc E's still refer to, believe it or not! For 10 of the participants, it was their first MD/VA/DC Section event and the "veterans" warmly welcomed them.

Doug Hughes was recognized as the Frank Mackaman Section Volunteer Award recipient for his many contributions to our section, including serving as section vice president for the last two years; establishing a section e-mail directory and publishing an electronic "cyber newsletter;" serving as an alumni ambassador at local college fairs for over 10 years and organizing housing for UMR's National Champion Sunrayce Team last summer. Congratulations, Doug. We're as proud of you as you are of MSM-UMR! The following officers were elected for the 2000-2002 term beginning July 1: Doug Hughes, president; Dennis Kluba, vice president; Bob Scanlon, secretary/treasurer; Anne Oetting Spence, scholarship; Charlie McGrady, historian. A section event is being planned for Northern Virginia to accommodate members in that area. Another noteworthy item was the engagement of Joe Schumer '92 and Amy Stirnweis. Joe and Amy met for the first time at the Scanlon's St. Pat's Party last year. Amy is the niece of Patti Hutchinson, former alumni office representative, and a favorite of our section members. The final highlight of the day was a tour of Doug's hobby railroad. It was unbelievable! If Doug can complete this project, it will rank right up there with the Pyramids and the Panama Canal as engineering marvels. It was a truly enjoyable day spent with members of our extended Rolla "family." Stay tuned for a Bowie Bay Sox Game in June.

The attendees were (first-timers in bold): Jim '72 and Barbara Nielsen, Milon Straka '93 and brother, **John '63 & Marjean Rice**, Douglas '63 and Sandra Hughes (hosts), Joe Schumer '92 and Amy Stirnweis, Robert '73 and Janet Scanlon, Mihai Sirbu '93 and two children, **David '96 and Jolie Dajc**, **Regan '96 and Sung Hee McDole** and two children, Charles McGrady '67, **Kevin Davis '86**, and **Wayne Kotter '74**.

(submitted by Bob Scanlon)

MSM-UMR Alumni Directory

The new MSM-UMR Alumni Association Alumni Directory, scheduled for release in 2001, will be the most up-to-date and complete reference of over 42,000 MSM-UMR alumni ever compiled! This comprehensive volume will include current name, address and phone number, academic data, plus business information (if applicable), bound into a classic, library-quality edition.

The MSM-UMR Alumni Association has contracted the prestigious Bernard C. Harris Publishing Company Inc. to produce our directory. Harris will soon begin researching and compiling the information to be printed in the directory by mailing a

questionnaire to each alumnus and alumna. If you prefer not to be listed in the directory, please contact the alumni office in writing as soon as possible, by e-mail at alumni@umr.edu or by postal mail at Castleman Hall, UMR, 1870 Miner Circle, Rolla, MO 65409-0650.

The new MSM-UMR Alumni Association Alumni Directory will soon make finding fellow alumni as easy as opening a book. Look for more details on the project in future issues.



Springfield (MO) Marching Miners

Roddy Rogers, 2241 East Powell Street, Springfield, MO 65804

Fifteen alumni, family, friends (and pets!) upheld the MSM-UMR tradition by participating in the Springfield, Mo., annual St. Patrick's Day parade on March 18. Dressed in their favorite St. Pat's sweatshirt, participants rode in or walked beside Earl Burk's 1941 cab-over-engine Chevy dump truck decorated with shamrocks and leprechauns. The immaculately restored truck always gets lots of attention but had competition this year from Mickey and Ollie, a Husky and Labrador wearing UMR sweatshirts and green bandanas. (They were better behaved than most board reps and used the bathroom a lot less!) The Springfield alumni section parade entry was one of over 60 in the parade and was viewed by over 3,000 people. This annual event has been a great one for the section.

Those participating included: Earl '70, Karen, Bailey and Trevor Burk, Helene '83 and Riley Pieces, Margaret Hardy, Caitie and Lawler and Mickey, Roddy '81 '83, Lindy, Cole and Will Rogers, Perry Smith and Ollie.

St. Louis Section gets the scoop on campus events and UMR football

Shannon Lambert, 153 East Rose Hill Avenue, Kirkwood, MO 63122

UMR Dean of Engineering Robert Mitchell, and UMR football coach Kirby Cannon were the featured guests at the St. Louis Section "Campus Speakers" event on Jan. 25, at the Engineers' Club in St. Louis, Mo. Mitchell gave a comprehensive campus update, reporting on proposed changes in administrative structure, early retirement issues, construction progress on the Civil Engineering Building, proposed renovations to the Mechanical Engineering Building and many other campus developments. He also described the Solar Car Team's first-place finish in the North American competition and their experiences in the international competition in Australia. His excellent Powerpoint presentation and expert commentary were much appreciated. Cannon was enthusiastic as he discussed his vision for the future of UMR football and the potential of next year's gridiron gang. Twenty-four alumni and guests enjoyed both presentations and the question and answer period that followed. Thanks are due to Shannon Lambert for organizing this activity.

Those attending included: Kirby Cannon, Randy Dreiling '81, Alice Gilbert '84, Linda Marie Grawl, Phil Jozwiak '66, Jo and Michael '60 Kearney, James E. Koch '93, Jason Koltz, Shannon Lambert '90, Robert Mitchell, Tom Mull '74, Bob Puyear '54, Joel Rickman '95, Sue Rothschild '74, Kristopher Scholl '98, Christina Sfredo '94, Jenny Suttmoeller '95, Jim Swinford '94, Marvin Taake, Kelley Thomas '91, Julie Turley, Jim Van Buren '63 and Lynn Stichnote.

UPCOMING MINER ALUMNI EVENTS

Friday, June 23
Mid-Missouri Section
Dinner at Les Bourgeois Vineyard
 Rocheport, Mo.
 Kenny Voss, 573-635-9282
 Chris Kump, 573-659-3787

Saturday, June 24
Kansas City Section
Summer Send-off Picnic
 Longview Lake, KC, Mo.
 Joe Reichert (816) 361-9147
Joe_reichert@kcmo.org

St. Louis Section
Golf Tournament
 11:30 a.m., Wolf Hollow Golf Club
 Washington, Mo.
 Phil Jozwiak, 314-878-1285
paj@geotechnology.com

Sunday, June 25
Miner Music Section
Picnic
 Fox Hill Park, St. Charles, Mo.
 Debbie Skaggs, 636-9409478

Friday, July 7
St. Louis Section
Baseball Game:
Cards vs. San Francisco
 Busch Stadium, St. Louis, Mo.
 Jennifer Suttmoeller, 314-846-6535
suttmoj@slu.edu

July 8
Kansas City Section
Golf Tournament
 Joe Reichert (816) 361-9147
Joe_reichert@kcmo.org

Saturday, July 22
Rocky Mountain Section
Baseball Game
 6 p.m., Coors Field, Denver, Colo.
 Randy Kerns, 303-530-7297
rkerns@uswest.net

Chicago Section
Summer Send-off Picnic
 Location: TBD
 Kerry Knott, 630-681-9560
Kerry.knott@ipaper.com

July 29
Ark-La-Tex Section
Horseracing at Louisiana Downs
 Shreveport, Louisiana
 Gene Rand, 903-759-1661

October, 2000
Society of Petroleum Engineers
MSM-UMR Reception
 Dallas, Texas
 Lynn Stichnote, 573-341-6034
Lynns@umr.edu





SME alumni reception in Salt Lake City

Lee Saperstein, dean of the School of Mines and Metallurgy, and the MSM-UMR Alumni Association hosted a reception for MSM-UMR graduates and guests in conjunction with the Society of Mining, Metallurgy & Exploration (SME) conference in Salt Lake City.

On Tuesday, Feb. 29, over 35 people dropped in for the reception. Alumni from across the country had a terrific chance to meet and talk at length about shared experiences at Rolla and in their professional lives. Thanks to the dean for the delicious hors d'oeuvres and to the alumni office for the door prize.

Alumni attending: William Beck '73, Richard '51 and Jan Bullock, Jack Burst '43, Steve Fiscor '86, Ann Hagni '80 '85 '95.

Richard Hagni '62, Joe Hatfield '73, John Keating '73, Cy '51 and Jo Kinane, Mike Kovack '79, Mark Long '82, Randall Lubbert '78, John Morrissey IV '64 '69 '71, Kurt '85 and Joan Oakes, Aaron Phipps '99, Rich and Trish Rimbach, Bill Schlittler '77, Scott Schneider '94, William Shepard '51 and Lori Tripi '84. UMR Students, faculty and friends: Timothy Beck, Elise Bracht, Lori Douglas, Mike Droszcz, Ronald Glaus II, Tad Golosinski, Larry Grayson, Megan Marler, Wesley Prothe, Lee and Priscilla Saperstein, Lynn Stichnote and Brett Wissel.

19 20s

1926

Daniel Kennedy, CE, is one of Missouri's few remaining veterans of World War I. He fought in France with the U.S. Army and was wounded six times before receiving a disability discharge. After earning a degree at MSM, he re-enlisted to serve as an engineer in France on the staff of Gen. George Patton. Among his awards for service are two Purple Hearts and the Legion of Honor, which is France's highest service award. "It ebbs and flows, this recognition thing," Kennedy says. "You didn't serve to get recognition. You just felt it necessary."

19 30s

1933

Theodore Hunt, CE, has been a licensed professional engineer in Maryland for 50 years.

19 40s

1941

James Jensen, Phys: "Velma and I keep busy tending our flock of about 100 exotic deer, antelope and birds on our little Texas ranch."

1943

John F. Burst, CerE, MS CerE'47, recently received the Hal Williams Hardinge Award for outstanding achievement in industrial minerals research, technology, education and resource development, and in recognition of exceptional service to the Society of Mechanical Engineers and other professional organizations.

1947

Thomas R. Pierce, GeoE: "Am still alive."

1949

David Brasel, ChE: "We have a major shopping center about four blocks east of us and a nice fishing lake about four blocks west. This gives both my wife, Betty, and me an easy outlet for at least one of our hobbies. We are enjoying the new home very much."

Adventures in Alaska

Hans Schmoldt, ChE'44, is at it again! He and wife **Jimmie** braved the elements of the Alaskan winter in Fairbanks and Wiseman, where the temperatures ran 55-56 degrees below zero for their entire nine-day stay. Hans says he's sure they are on the Avis Rent-A-Car permanent "no rent" list, after having not one but two weather-related accidents! Hans and Jimmie weren't hurt in either accident, and the car wasn't even damaged in the first one. Jimmie reportedly said, after the second fender-bender, "Take me to the airport; it's time to go home to Oklahoma." Presumably she was having a good time until then! Oh, by the way... Hans is 79 years young, proving that age does not have to limit an adventurous spirit.



19 50s

1950

Edgar J. Hellriegel, CerE: "I'm in my 80th year and shooting for 93. If I live long enough, I may shoot my age." • **Anibal Jose da Silva**, Phys: "During the Great Depression, family members worked just to eke out a living wage; now families work to keep up at great sacrifice to family values, unlike depression families." • **Harvey W. Meier**, ME: "I am very pleased to donate to the mechanical engineering department at MSM-UMR. I appreciate the value of my mechanical engineering education at MSM and the impact it has had on my career." • **John Salvaggi**, MetE, retired from General Electric five years ago and is enjoying every minute.

1951

Harry Dreste, Phys, has enjoyed 10 years of retirement. He stays busy with his Studebaker cars, and he belongs to two vintage-car clubs. When not doing volunteer work, Dreste works on model train layouts. "I do have medical problems with cancer and Parkinson's, but I'm still doing okay." • **William S. Harper**, ChE, spent two weeks in Ireland last spring and "would go back any time."

1952

O. Timken Yager Jr., ME: "I'm sad to report the passing of Marion, my wife of 48 years, who died in February 1998. There is a big transition, but I am in reasonably good health and still enjoy the great outdoors."

1953

John R. Ford, CerE: "My most recent full-time employment was as vice president and general manager of Vernay Products Inc., where I worked for 25 years. In 1994, the parent Vernay Laboratories Inc. sold this subsidiary to Centek Industries Inc. I took early retirement from Vernay and now work in a consulting capacity to Centek, which remains an industry leader in the design and manufacture of marine exhaust components and systems, and other clients. If anyone out there is having boat exhaust problems, I may be able to help." • **William F. Meek**, EE, CE: "I have been retired from NASA-Johnson Space Center since March 1995. My wife, Aline, and I are keeping busy with our nine grandchildren — five boys and four girls."

1954

Joseph Hughes, Phys: "I am on the boards of four corporations and one technical society."

1958

L. Fred Cox, ME: "I married Sandra Hensley in December and we purchased a new house." • **Robert Spratt**, Phys: "I finally decided to rejoin the 21st century crowd and buy a computer. My e-mail address is: hoberg@mntvernon.net." • **John D. Wensel**, ME: "After 37 years of working and living in Sullivan, Mo., we are retiring. It has been fun and we are looking forward to more fun. We plan to travel and just rest."

TO APPLY FOR ADMISSION
call (573) 341-4165 or 1-800-522-0938,
e-mail admissions@umr.edu, or check out the
Web site at www.umr.edu/admissions.

1960s

1962

Glen E. Stoner, ChE, received the Henry B. Linford Award for Distinguished Teaching from The Electrochemical Society Inc. He is a faculty member in the materials science department at the University of Virginia.

1963

Donald L. Packwood, Phys: "I have retired from my 20-year career at Hewlett-Packard, developing processes-to-manufacture computer and cell phone chips. Previous to HP, I worked in microelectronics and optoelectronics at National Semiconductor Corp. and McDonnell Douglas." • **Robert H. Sieckhaus**, CE, has joined Murphy Company Mechanical Contractors and Engineers as area manager of industrial operations.

1965

Barry Hayden, CE, MS EMgt'71, chairman and founder of Hayden Homes Inc., has announced plans to retire from the company. His brother, **Dennis Hayden**, CE'74, the company's president and chief executive, will add the title of chairman. Barry will remain on the company's board of directors.

1966

Franklin Schowengerdt, Phys: "I am the director of the NASA-funded Center for Commercial Applications of Combustion in Space. We have experiments scheduled to fly on the shuttle and international space station."

1967

Harold Barr, CE, was promoted to chief plan review engineer for the development assistance team of the Department of Public Works in Kansas City, Mo. • **Paul G. Marlin**, CSci, is a freelance programmer "for an outfit that collects on bad checks. Biggest data base I've ever seen."

1968

Forrest Breyfogle III, ME: has been named Fellow of the American Society for Quality. • **Gary Mann**, Math, vice president of governmental affairs for San Marcos-based Thrifty Call Inc., has been appointed to serve as vice chairman/treasurer on the board of directors of Competitive Telecommunications Association (CompTel). He also will serve on the board's executive committee.

1969

David Brewer, CSci, is developing Oracle Web systems. • **Michael Manier**, CE, was reappointed by Missouri Gov. Mel Carnahan to the Linn State Technical College board of regents. He was to appear before the Senate

Gubernatorial Appointments Committee during the second regular session of the 90th General Assembly. • **Neil Prewitt**, ME, was recognized last October by *Inc. Magazine* as president and CEO of one of the 500 fastest growing privately owned companies in America. Prewitt and his company, Thixomat Inc., were also featured recently in *Crain's Detroit Business* magazine and in *Mobile Computing* magazine. • **D. Keith Rice**, MST Math: "Unigraphics Solutions became the first CAD/CAM/CAE/PDM company to become ISO 9001/TickIT certified worldwide."

1970s

1970

Bill Howell, EE, was named plant manager of Empire District Electric's State Line Combined Cycle Power Plant. • **Mark H. Joseph**, ME, has sold BUSN UPPCO Inc. and is retired. • **Anthony Novembre**, Psyc, a retired school superintendent, is presently president of Educational Executives Inc. • **James R. Pierce**, ME, is a staff project engineer with Eichleay Engineers Inc. in Pittsburgh, Pa. "I can't believe its been 30 years since my last St. Pat's at Rolla. Things sure have changed. I have a Post Versalog slide rule on the wall in my office with a Y2K Compliant sign on it. Young engineers who know what it is don't need to know how to use it." • **Robert E. Schwab**, ChE, MS ChE'70, PhD ChE'75: "I am in process and product engineering for Caterpillar's hose and coupling business. I have engineering responsibility for four domestic and three international plants. The work is challenging and rewarding." • **Daniel E. Scott**, MetE: "Just received 30th patent. Still with Hughes Christensen. Roberta and I are planning a kayak and cruise trip to Alaska in 2000. Elected fellow in ASM International in 1999. Still traveling a lot for Hughes." • **John Warner**, GeoE, was recently named director of international operations for Ryder Scott Co., where he is a senior vice president.

1971

Archibald M. Gallup, CE, MS EMgt'83: "I have been consulting and teaching skiing here in upstate New York." • **Bryan Pearl**, CE, was recently named the new director of public works for the city of Maryland Heights, Mo. He will oversee the department's 35 employees and its \$17.5 million budget, which pays to maintain 89 miles of roadway. He will also oversee the city's recently approved \$180 million five-year capital improvement program.

1972

Lloyd Alinder, ME: "My current job assignment with Boeing has taken my family

and me to Prague in the Czech Republic for the last year. I am an industrial engineer working with Aero Vodochody, the premier aerospace company of the Czech Republic." • **William E. Ayen**, CSci, joined the University of Colorado in May 1999 as a seminar lecturer in computer science. Ayen teaches graduate software engineering courses and is director of external programs for the CU College



of Engineering and Applied Science. • **Steve McVeigh**, CE, pictured at left, has been named vice president of production and surveillance for Shell Exploration and Production. • **R. David Mursch**, GeoE: "I have

been a self-employed geotechnical and environmental consultant for four years. Wow, it just keeps getting better and better!" • **Gary Vandiver**, ChE, has been named manager of process engineering for Nylon Carpet, Nylon Products and Polymers, Industrial Nylon, Saflex, Acrilan and Phosphorus at Solutia Inc. in St. Louis.

1973

John Baz-Dresch, MinE: "After working in operating gold mines for more than one year in Venezuela and 11 months in Nicaragua, and a two-month consulting job in northern Chile, I have a position with Dynatec Mining Contractors as shaft engineer and will be developing a 1,500-foot-deep mine shaft at one of the salt mines in Louisiana." • **Herbert C. Krasner**, CSci: "As I enter my 10th year of being an independent coach and troubleshooter, I have moved to Spicewood, Texas (just west of Austin), in the 'boonies' again. The Alex's Pizza softball team of the 70s had a reunion in Florida in November, and will do it again this year." • **Eric Miller**, ME, a mathematics instructor at Linn State Technical College, has received the Governor's Award for Excellence in Teaching.

1974

Dennis Hayden, CE, is the president and chief executive of Hayden Homes Inc. He now adds the title of chairman following the retirement of his brother, **Barry Hayden**, CE'65, MS EMgt'71, who founded the company in 1977. • **Kenneth Savells**, CSci: "My daughter is now a freshman at Rolla, and I am enjoying hearing about her learning experiences. Brings back memories!" • **Don Schricker**, Phys: "I recently involuntarily retired (for medical reasons) after 37 years in the aerospace industry. My best wishes and regards to the UMR physics department. My personal Web site is www.qsi.net/wzinq." • **John R. Weese**, EMgt, MS EnvE'75, has accepted the position of vice president of engineering at Fisher Engineering Inc. in Akron, Pa. Fisher is a civil and environmental engineering consulting firm.

1975

Michael M. Sears, EMgt, has been elevated to Fellow of the American Institute of Aeronautics and Astronautics. The AIAA Fellow designation is awarded to distinguished individuals who have demonstrated strong leadership potential in the aerospace field. • **Michael Starkweather**, CSci: "The nest is emptying out. Next year both children will be away at college. I'm now working on architecture and planning for Enterprise System Management."

1976

Leonard H. Wasserman, MS EMgt: "I am now retired and doing consulting for contract proposals, claims and arbitrations for the American Arbitration Association."

1977

Jo Ellen Brandmeyer, ChE: "I passed the final defense of my dissertation and graduated in May. I'm also getting my Ph.D. in environmental sciences and engineering (air quality modeling) at the University of North Carolina at Chapel Hill. I am currently working in the environmental programs group at the North Carolina Supercomputing Center in Research Triangle Park." • **John S. Bown**, MS Geol: "I am still with the BLM in Montana. I work with Indian tribal governments on oil and gas issues." • **Paul W. Eloie**, MS AMth, PhD AMth'80, will begin serving as chair of the department of mathematics at the University of Dayton on July 1, 2000. • **Charles "Sidebottom" Marsh**, CSci: "Camelot Music got bought out by a company out of New York, and I chose not to relocate. Therefore, I took a position with eCampus.com as their senior vice president, chief of operations officer, in Lexington, Ky. I was named one of the Top 10 CIOs in Retail in 1998 *Retail Technology Magazine*." • **Clarissa Young**, Psyc: "Though not in our original or long-range plans, Bob (Dr. Bob Young, retired) and I have now relocated to Williamsburg, Va. We have family here, including a granddaughter in kindergarten. We hope to participate in many of the cultural, archaeological and historic offerings in this area in months and years ahead, and become better informed about our new community."

1978

Daniel J. Angeli, ME, is manager of mill products maintenance at Olin Brass in East Alton, Ill. "Brenda, myself, and our two children reside in St. Louis County." • **Charles (Chip) Fiedler**, EE, CE, has been promoted to electrical group leader at HBE Corp. He will prepare construction documents for building projects involving health care facilities, financial institutions and hotels. • **Marcel A. Maupin**, MS AMth: "I wrote the test bank for 'Elementary Statistics,' a brief version by Allan G. Bluman, in the spring of 1999." • **Larry McCallister**, CE, MS CE'79, and his wife,

Lynn (Weiss), LSci'78, and their daughter Shannon, live in Incirlik, Turkey, where he is the commander of the U.S. Engineer Group Area Office. He directs all U.S. Army Corps of Engineers construction and engineering activities in Turkey, Italy, and Spain in support of U.S. armed forces and DOD agencies. He has been selected as the U.S. Army Corps of Engineers' Engineer of the Year and was also selected by the National Society of Professional Engineers as one of the Top Ten 2000 Federal Engineers of the Year for all federal agencies. Larry and his family will return to the United States in July.

1979

Jesse D. Helton, CE, was occasionally involved in the construction of hospitals but eventually found his true calling. He still

wanted to be involved with hospitals, but in a different way. He decided to go to medical school. Helton graduated in 1997 from Kirksville College of Osteopathic Medicine. He is now opening his own medical facility in Byrnes Mill Medical Center. • **Timothy Madden**, CE, has joined the staff of Tarlton Corp. as senior estimator. He will work with the Tarlton project management team on all activities for estimate preparation. • **Gary Pendergrass**, GeoE, after successfully completing the cleanup of 29 dioxin sites in eastern Missouri, is retiring as president of Agribusiness Technologies Inc. to form Pendergrass & Associates. The firm will specialize in environmental engineering and property development. Pendergrass was featured in the spring 1995 issue of *MSM-UMR Alumnus* magazine."

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WEB

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Stephen Ford takes over construction company

Stephen P. Ford, CE'79, president and operations manager of Bolden Pipe Construction Co. Inc. of Nashville, Tenn., has purchased the company and will take over ownership. The company specializes in sewer systems, civil construction, telecommunications and gas distribution, and is the only full-service sewer system rehabilitation contractor with manufacturing facilities in Nashville. Before working for Bolden, Ford was construction operations vice president for six years for W.L. Hailey and Co. Inc. in Nashville, and spent 13 years as regional vice president with a national utility contractor, Garney Companies Inc.



Stephen P. Ford

Ameren promotes Nauert and Witges



Paul J. Nauert Jr.



James Witges

Ameren Corp. recently announced promotions for two UMR graduates. **Paul J. Nauert Jr.**, EE'78, is now manager of electrical engineering and transmission planning, and **James Witges**, ChE'84, is manager of laboratory services in the power operations function of AmerenUE. Joining AmerenUE in 1980 as an assistant engineer in system planning, transmission, and interconnections, Nauert has steadily been promoted through the company to his present position. Witges joined AmerenUE in 1987 as a chemical engineer and was later promoted to lab supervisor of Labadie Plant.

1980s

1980

Bradley A. Brown, EE, CE, Phys: "Hi everyone! Still living in beautiful Hermann, Mo., and running my utility bill analysis business. Now have great long distance rates too." • **Craig M. Lucas**, EE, CE, has been appointed to vice president of operations for Kwme Building Group Inc. He is responsible for overall management of all public and private sector projects and budgets, and also helps to develop and administer company policies and long-range strategies. • **Martin Penning**, EE, has been named director of strategic planning for Empire District Electric Co. with responsibility for load research analysis, energy, fuel and purchased power revenue forecasts, and financial projections.

1981

Oscar Berryman, EE, is now plant manager of Monsanto Ag's Muscatine, Iowa, plant. He was previously the plant manager of Ag's Fayetteville, N.C., plant. • **Michael W. Buel**, ME, still resides in Jefferson City, Mo, and works at AmerenUE's Callaway Plant. "My oldest daughter, Laura, is now in high school — dad is already pushing UMR. My wife, Monica, is a stay-at-home mom but stays employed with our three daughters' activities, plus many other duties." • **Joseph G. Draper**, ME: "I've been in Seattle with Boeing for 14 years, two years as a contract engineer. The last few months have been interesting — WTO riots, my 40th birthday and my son's first (on the same day), SPEEA's 40-day strike, and the Kingdome implosion. If you had told me I'd be walking a picket line for 40 days and nights, I would have told you you're crazy! But there I was, in the cold and the dark. Life at post-merger Boeing has been much too interesting." • **William H. Gusnard**, ChE: "Bobbie and I are still living in Birmingham, Ala., and I am still employed by Raytheon Engineers and Constructors (they bought out Rust Engineering in 1996). I work in the piping/mechanical department and I am the local pump guru. I do the calculations and selections on about 75 percent of the pumps purchased in the Birmingham office. I also spend time in the field troubleshooting screens and cleaners used in the pulp and paper industry. I have two children, Amanda Leigh, born in December 1996, and Henry Thomas, born in June 1999. Plans are for both to be future Miners, or that is what I tell them." • **Gerry Millar**, GeoE, is currently working on hydroelectric projects in Guatemala, Costa Rica and Honduras, and also on railroad projects in the western United States. • **Catherine Roster**, Psyc: "I am currently teaching at the University of Missouri-Columbia while completing my Ph.D. in marketing."

1982

Barry A. Baran, CSci: "It is nice to see a hard working person like **Clayton Price**, GGph'80, join the computer science staff. Best Regards!" • **Kelly Busch**, CerE: "We have moved from California to New Jersey and are enjoying the Northeast. We have three kids: Megan, 13; Sydney, 8; and Chase, 6." • **Kirk C. Foeller**, GGph: "I am working space operational issues, including simulations support for major army exercises for U.S. Army Space and Missile Defense Command." • **Randall March**, GeoE, lives near Lakewood, Colo., with wife Jeanie and their three children. Randy is a principal with Golder Associates Inc. • **David W. May**, EMgt: "I am currently employed by Roeslein and Associates as director of business development. My wife, former ZTA **Carol (Arnott)**, GGph'82, and I have two children: Mitchel, age 12, and Melissa, age 11. They both attend Rockwood schools."

1983

Kevin Anders, EE, was named manager of system relay services in the customer services division of Ameren Corp. • **Melvin J. Aycock, Jr.**, NDD, is an environmental projects manager for a small geotechnical engineering firm. His wife, Susan Williams, teaches science. They have children, Amanda (17), Matthew (16) and Nathaniel (7 months). • **Lawrence Beck**, Econ: "In January, I was abducted by aliens and taken to what seemed to be a classroom. They had me explain the Quantity Theory. The 'classroom' turned out to be a comedy club. The audience laughed and laughed. I was paid 60,000 bolchoks and brought home. In April, I go back for a three-week engagement." • **Carl Burrow**, CSci: "I just finished my eighth year at Actel Corp., where I am vice president of worldwide marketing." • **Michael T. Moylett**, GGph, MS GGph'85: "Jennifer and I welcomed our son, Jake, into the world last April. I hope to get Jake out of diapers before I have to start wearing them!" • **Marc Warden**, CSci: "My father, Chuck Warden, passed away in February at the age of 69. At work, I'm busy making 05/390 more internationalized. I currently sing in two church choirs when not working or raising kids."

1984

Paul M. Langenfeld, ME, MS EMgt'96, was recently promoted to director of mechanical engineering in the St. Louis regional office of Sverdrup/CRSS, a division of Jacobs Engineering Group. • **Rhonda McKee**, MS AMth, PhD Math'89, received the Governors Award for Excellence in Teaching. She is currently a professor in the department of mathematics and computer science at Central Missouri State University.

1985

Bruce A. Boyd, EMgt, has been promoted to vice president of gas supply and processing for

Future Miners

Kinder Morgan Texas Pipeline Inc. in Houston, Texas. • **Michael G. Ellis**, CSci: "I donated a kidney to my brother, Rich Ellis, on Feb. 11, 2000. We are both doing fine." • **Mark James**, ME, joined Wire Rope Corp. of America as a product engineer of fabricated products. • **Casey D. Moloney**, EMgt: "I am still living and working in Virginia, but I've taken a new position with Service Master Management Systems." • **Kurt B. Oakes**, MinE, has won the Industrial Minerals Division Young Scientist Award in recognition of his scientific professionalism while working in the industrial minerals industry.

1986

Mark F. Tanner, EMgt: "Mark and Jan have finally started a family. Garrett is 1. Katie is 3."

1987

Scott Berger, CSci, is now a consultant with Integro Inc. of Denver, a Premier Lotus business partner. He will work out of the Kansas City branch. • **Brenda Kindler**, CSci: "I am the IS Specialist and LAN Administrator for Harshaw Trane (The Trane Co.) in Louisville, Ky. My husband, George, and I have two beautiful children: Casey Jacquelyn, 4 and Chase Andrew, 3." • **Bruce Sisko**, CSci, was appointed dean of math and science at Southwestern Illinois College in January 2000."

1988

Cecil C. Bridges, ME, is completing a six-month deployment to the Mediterranean Sea and Arabian Gulf while assigned to the destroyer U.S.S. John Hancock out of Mayport, Fla. Bridges recently helped rescue 10 crew members from a sinking vessel in the waters off the coast of Iran. • **Gary O'Day**, EE: "Our boys are getting big. Conor is now 5 and Daniel is 3. Jennifer is loving her new job and I am still running my business."

1989

Tamara K. (Neudecker) Husman, EMgt: "Fred, EE'91, works for Aventis Behring in Manteno, Ill. I stay at home with our three kids, Trevor (5), Taylor (3), and Zac (1 1/2)." • **John Krekeler**, EMch, is an engineer with the Boeing Co. He has been appointed to the St. Louis Airport Commission for a four-year term. • **Jennifer O'Day**, Psyc: "Our boys are getting big — Conor is now 5 and Daniel is 3. Gary is still running his business, and I love my new job." • **Paul W. Ridlen**, CE, MS CE'91, recently joined Smith and Co. as a project engineer. He has more than 10 years of professional experience in civil engineering. • **Philip Simpkins**, EE, MS

Joseph Adrian, Econ'75, and his wife, Tina, are now grandparents of Olivia, Sept. 16, 1998.

David Brown, EE'92, MS EE'95, and his wife, **Vicki (Hoog)**, EE'92, had a girl, Emily Victoria, on Sept. 8, 1999.



Katerina Careaga

Jacob Careaga, CE'98, and his wife, **Anika (Stuckenschneider)**, CE'98, had a girl, Katerina Lacey, at left, on Oct. 23, 1999.

Joseph G. Draper, ME'81, and his wife, Sandra, had another boy, David, on Jan. 21, 1999. He joins his older brother, Gavin, born Aug. 15, 1994.

Brad Herman, CSci'81, and his wife, **Lynn Wegener**, CSci'87, had a girl, Amanda Marie, on July 6, 1999. Amanda was welcomed home by big brother Jimmy.



Noah Carl Hester

John Hester, CE'94, and his wife, Constance, had a boy, Noah Carl, on Feb. 18, 2000. He has a full head of red hair.

Ted J. Hilmes, EE'92, and his wife, Brianna, had a girl, Johanna Rose, on Sept. 16, 1998. She joins sister Mary Katherine, 3.

Gary Hines, CE'95, and his wife, Nicole, had a girl, Emily Paige, on March 4, 2000.

Gregory Maes, ME'90, and his wife, **Laura (Hubert)**, EMgt'93, had a girl, Sydney Rose, on March 12, 2000. Greg says, "It's official. I'm a daddy. Everyone is doing great and the rest of the details and pictures can be found on my site www.home.earthlink.net/~gmaes/."

Frank B. Mokry, MS EMgt'95, and his wife, Cheryl, had a boy, Davis Evan, on Nov. 29, 1999, in Atlanta, Ga. He joins sister Francesca.

Michael T. Moylett, GGph'83, and his wife, Jennifer, had a boy, Jake, in April 1999.

Sean J. Peters, GeoE'95, and his wife, Jennifer, had a boy, Jacob Daniel, on Aug. 20, 1999.

Carla Parodi-Hall, CSci'94, and her husband, Joseph, had a girl, Sydney Marie Hall, on April 6, 1999. She joins big sister Cassidy.

Jennifer Jo Richesson, CSci'94, and her husband, Scott, had their first child, Andrew, last July.



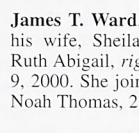
Olivia Sparrow

Philip J. Simpkins, EE'89, MS EMgt'91, and his wife, **Alice (Netzer)**, NucE'89, MS NucE'91, had a girl, Christina Lee, on May 3, 1999.

Richard Sparrow, Phys'89, MS Phys'95, and his wife, **Angelia**, Engl'91, had a girl, Olivia Madeline, in bunny suit, on Dec. 31, 1999. She joins older siblings Victoria (8), Christopher (5), and Jonathan (2).

Stephanie Tanaka, GGph'81, and husband Christopher Brewer, had a girl, Kiana Noelle Miyoko Brewer, on Dec. 23, 1999. Kiana's brother Bradley is 4 1/2 years old.

Andy Thomson, Chem'89, and his wife, **Beth (Piper)**, EE'89, had a girl on Jan. 22, 2000.



Natalie Ann Thomson

James T. Ward, ME'96, and his wife, Sheila, had a girl, Ruth Abigail, right, on March 9, 2000. She joins big brother Noah Thomas, 2.



Ruth Ward

David Williams, PetE'83, and his wife, **Kimberly (Hofstetter)**, PetE'83, MS EMgt'89, had a girl, Kelly Rose, on July 27, 1999. She joins her two brothers, Dylan and Collin.

If you have a birth announcement or a photo of your new little Miner, send it to us and we'll publish it in an upcoming issue of the magazine.

WHAT'S NEW WITH YOU?

Send us your alumni notes via:

ELECTRONIC MAIL: alumni@umr.edu

FAX: MSM-UMR Alumni Association, (978) 926-7986

MAIL: MSM-UMR Alumni Association, University of Missouri-Rolla, Castleman Hall, 1870 Miner Circle, Rolla MO 65409-0650

EMgt'91: "**Ali (Netzer)**, NucE'89, MS NucE'91, and I are both still working for Westinghouse." • **Richard Sparrow**, Phys, MS Phys, and his wife, **Angelia**, Engl'91, are still in West Memphis, Ark. Angelia is a home-school mom for their four children and Richard is teaching secondary science at Hughes High School. • **Andy Thomson**, Chem, and **Beth (Piper)**, EE'89, live in Indiana. Beth is an engineer for Delphi and Andy operates an Internet software company.

1990s

1990

Suzanna Jo Edwards, Phys: "Kevin and I are enjoying our four daughters. I keep busy with car pool to preschool, choir, swimming lessons, etc. I think being a mom is a great job!" • **Thulasirum Gobinath**, EMch, is currently working at Goodyear Tire and Rubber Co. as a computational finite element analyst. He lives in Hudson, Ohio, with his wife and their two children. • **Paul M. Miles**, EMgt: "I continue to work as a test engineer at Caterpillar in Peoria, Ill. I am also attending an MBA program at the University of Chicago on weekends. My wife Beth is working as an attorney at a law firm in Peoria. Our daughter Bridget is in kindergarten and Margaret is in preschool." • **Mike Thomas**, EE, is a patent attorney with Senniger, Powers, Leavitt & Rodel in St. Louis. Thomas and his wife, **Marybeth**, EE'92, have three children: Adam, Audrey and Anthony.

1991

Timothy D. Gode, NucE: "**Mary (Bernard)**, GGph'92, and I have two daughters now: Grace (3) and Minna (9 months). I've been working at Waterford 3 (ABB/LE Power) since June 1997. I'm taking one class per semester at the University of New Orleans to get a master's in computer science." • **Joanne (Kausch) Holmes**, MetE: "I would like to hear from any of my old roommates or metallurgical engineering buddies (holmesbunch@netzero.net)." • **Angelia Sparrow**, Engl, and her husband, **Richard**, Phys'89, MS '95, are still in West Memphis, Ark. Richard is teaching secondary science at Hughes High School and Angelia is a home-school mom for their four children.

1992

Scott R. Dixon, GeoE, is a professional engineer and Maine-certified geologist. He lives in Maine. • **Julie (Binder) Maitra**, MS EMgt: "I was named coordinator of the Federal Geographic Data Committee in May of 1999. My husband, Amit, and I are enjoying our beautiful home nestled in the foothills of the Blue Ridge Mountains." • **Marybeth (Volk) Thomas**, EE, has three children: Adam, Audrey and Anthony. Her husband, Mike,

EE'90, is a patent attorney with Senniger, Powers, Leavitt & Rodel in St. Louis. • **Larry B. Williams**, GeoE: "I'm a project engineer with Environmental Science & Engineering, Inc. in Peoria, Ill. My wife Jamie, son Matthew, and daughter Katie are all doing fine. Feel free to drop me an e-mail message at lbwilliams@esemail.com."

1993

Greg Brown, EE; **Paul C. Stallman**, ME'93; and **Kevin Weidemann** have incorporated the company they formed in 1998 while attending UMR, Eternity Unlimited. Now operating as euConcepts, they provide Web design and development, programming, Internet marketing and engineering services to clients throughout the United States. • **Mel Eakins**, CE, has joined Great River Engineering Inc. as a senior civil engineer. He will be responsible for the engineering on storm water, sanitary sewer, site development and general civil projects. • **Robert M. Wagner**, ME, MS ME'95, PhD ME'99, achieved a perfect 4.0 grade point average at UMR and received numerous honors and awards. He is currently pursuing his research interests as a postdoctoral fellow in the Chaos Applications and Theory Group at Oak Ridge National Laboratory. • **Philip Wentz**, EE: "I recently married **Tara Kruep**, ChE'97. I also passed the professional engineering exam and currently work for McClure Engineering. Tara works for Andersen Consulting. We reside in St. Louis."

1994

Lawrence Cook, ME: "I was married in July to Stephanie Colias. We are moving to Pittsburgh, Pa., where I will work in construction management." • **Timothy C. Hamilton**, ME, has joined Heideman and

Associates Inc. as a mechanical designer. • **John Harshbarger**, CE, has filled a new position of full-time engineer for the city of Blue Springs, Mo. • **Thomas J. Hasenstab**, MinE, and his wife Corey have two daughters, Bree (4) and Abby (1). Hasenstab obtained his PE license in February of 1999. • **Richard Roland**, ME, married **Laura Clemenson**, GeoE'95, in June 1999. • **Julie Schroer**, ME, has been elected secretary of the Saginaw Valley Chapter of the American Foundrymen's Society. The Saginaw Valley chapter serves the Northeastern Michigan Metal Casting industry and has more than 350 members.

1995

Laura Clemenson, GeoE, married **Richard Roland**, ME'94, in June of 1999. • **Jeff Schroeder**, Phys: "My life has undergone quite a few changes in the past months. After four years at Raytheon Space Systems, I decided to try my hand at software consulting and took a job at a startup company called Creative Concepts. Because of the hour-long commute, my wife and I decided to move to Boulder and cut the commute to fifteen minutes." • **Joseph Skiljan**, at left, ME, has joined Murphy Co. Mechanical Contractors and Engineers in St. Louis as a project manager. • **Joe C. Zhang**, EE, has



accepted a position with ATMI-MST, a semiconductor life safety company in Chicago. His company is looking for engineers who have experience in system integration or HMI (Wonderware) programming. Send your resume to 88host@88host.com.

UMR alumna is Young Engineer of the Year

Amy Horst Ruggeri, CE'90, MS CE'91, a senior engineer with City Utilities of Springfield, Mo., has been selected as the Young Engineer of the Year by the National Society of Professional Engineers.

The award recognizes young NSPE members who have made outstanding contributions to the engineering profession and their communities early in their careers. Ruggeri will accept the award in July at the NSPE Annual Convention in Norfolk, Va.

A City Utilities employee since 1991, Ruggeri has been involved in a variety of professional and civic projects. Recently she was featured by The *Springfield News-Leader* for helping grade schoolers learn about engineering through her involvement with "Engineering K-4." The program is sponsored by the Missouri Society of Professional Engineers Ozarks Chapter.

Featured last winter in the *News-Leader*, Ruggeri was invited to be guest engineer at Stayce Black's third-grade class at Doling Elementary School in Springfield. In order to help third-graders grasp the principles of force and tension, she helped the 25 students learn how to construct a bridge safe enough and strong enough for them to crawl across.



1996

Mark A. Allen, Math, is working for Hewlett-Packard in Texas. • **Silas Guzman Martinez**, MS EMgt: "Going back to school — again — for an M.S. in industrial engineering. Will go to West Point in 2002." • **Eric R. Springs**, MetE: "I took a job as Process Metallurgist at MacSteel in November 1999 after spending three years at Laclede Steel." • **Matt Myers**, EMgt, has been selected as the new district traffic engineer for the Missouri Department of Transportation in Jefferson City, Mo. • **Daphne Place**, MinE: "I am enjoying Wyoming, and I wish all my fellow MSM-UMR alums the very best."

1997

Karen Flowers, Psyc, has relocated to Birmingham, Ala., where she continues to work for Altec Industries. • **Ashley Govero**, EMgt, has joined Tarlton Corp. as a project engineer and will assist project managers in all aspects of assigned construction projects from estimate development through completion. • **Gregory P. Saguto**, MetE, is working on a master's degree in computer science at UMR. • **Vernon J. Tracy Jr.**, EMgt, is a re-elected board member of the Society of Manufacturing Engineers. SME Education Foundation's mission is to serve the manufacturing community by providing support for the advancement of manufacturing education. • **Tara (Kruep) Wentz**, ChE: "I recently married **Philip Wentz**, EE'93. I am currently working for Andersen Consulting. Philip just passed the professional engineering exam and is working for McClure Engineering."

1998

Jacob Careaga, CE, and his wife, **Anika (Stuckenschneider)**, CE'98, are "busy raising our adorable daughter, Katerina Lacey (born Oct. 23, 1999) and remodeling our beautiful 100-year-old home in Jefferson City, Mo." • **Cong Do**, ME, is a mechanical engineer at Black & Veatch and is currently pursuing his MBA at Rockhurst University. • **Theresa (Burkhart) Ferguson**, GeoE, has joined Maxim Technologies as a staff engineer. She will be responsible for preparing environmental site assessments, geotechnical field work and laboratory testing. • **Tawana K. Morgan**, EE, has joined the General Motors College Graduate in Training program in Detroit, in the mock-up engineering division. • **Eric Yount**, Math, is a Ph.D. candidate in statistical genetics at North Carolina State University.

1999

Amy M. Szyhowski, AE, has joined the professional staff of Engineering Dynamics International (EDI) as a staff engineer.



Chinese wonders, Viking capitals, the most popular European destinations are all included in the most recent offerings through the MSM-UMR Traveling Miners tour program. Savor the descriptions below and begin your travel planning. Alumni of all ages and interests have traveled on this program and have been delighted with their journeys. Shouldn't you be next?

Passion Play 2000/The Magical Blue Danube

Glide past the Danube's storybook scenery while you visit Vienna, Hungary, Budapest, Kaloska, Esztergom, Bratislava, Melk, Grein and Durnstein, with an option to also see the Passion Play 2000, a once-in-a-lifetime chance! June/July 2000, from \$2799.

Fjords, Castles, Capitals of Norway, Sweden and Denmark

Sixteen days of wonder — including ancient castles and sophisticated modern capitals, medieval, half-timbered towns and royal palaces, breathtaking fjords and mountains seen from the famous Flam Railway, Viking history and Andersen's fairy tales — make this tour of Scandinavia a delight.

June, July, August, from \$3599/September, from \$3299.

Back by Popular Demand - Alaska Cruise

Cruise the exquisite scenery of Alaska aboard Holland America's *ms Ryndham*, with ports of call at College Fjord, Hubbard Glacier, Juneau, Ketchikan, Seward, Sitka, Valdez, and Vancouver, B.C. June/July 2000, from \$1879.

London - a Feast of History and Beauty

See for yourself the Changing of the Guard at Buckingham Palace, the fabulous Crown Jewels, Parliament and "Big Ben," and the Tower of London. Enjoy tea at Harrod's, shop on Bond Street, visit pubs...you're bound to fall in love with London. August 2000, from \$1149.

Extraordinary Wonders of China & the Yangtze River

Explore China's wonders: the Forbidden City, Ming Tombs, the Great Wall and Hong Kong. Learn about China's culture and people on a rickshaw tour of Beijing, a cruise on the Yangtze's No. 1 rated river cruise ship, stops at lush Kunming and enchanting Guilin, and a tour of the Three Gorges Dam construction site. September 2000, from \$3495.

Ahhh, the South of France

Charming and picturesque Provence immerses you in a profusion of color and fragrance — find out what everyone's been raving about! The delights of the French Riviera await you in this oasis of color at the edge of the sparkling Mediterranean. September/October 2000, from \$1199*

*Please note that the price quoted in the last issue was incorrect

For more information about these tours, please contact Lynn Stichnote in the alumni office, by phone at (573) 341-4145, by fax at (978) 926-7986, or by e-mail at alumni@umr.edu.

Memorials

1932

Albert C. Jenczewski, ChE, was a former employee of Oneida Ltd. †Feb. 1, 1998

1933

Walter Braun, MinE, was a member of Kappa Sigma and the swimming team while attending MSM-UMR. He was retired from Bishop Tube Co. Braun and his wife, Dorothy, resided in Venice, Fla. Braun's death was reported to UMR on Jan. 19, 2000.



Maurice "Russell" Edgar, MetE, retired from the National Zinc Co. †Jan. 21, 2000

1934



Oscar M. Duncan, ChE, was retired from Farm Bureau Refinery. He was a member of the senior council and rifle squad while attending MSM-UMR. †Aug. 27, 1999

1935



William T. Book, EE, was a member of the Officers Club, Radio Club, Glee Club, AIEE and ROTC at MSM-UMR. Book's death was reported to UMR on Jan. 26, 2000.

Melville W. Lischer, NDD, was retired from Nooter Corp. †Nov. 9, 1998

1936



J. Clay Turk, ME, was retired from Eastman Kodak Co. He was a member of Theta Tau, ASME and Tau Beta Pi while attending MSM-UMR. †Oct. 14, 1999

1941



Edward C. Farrell, MinE, †Dec. 7, 1999

John C. Wagner, NDD; death reported to UMR on Dec. 30, 1999.

1943



Enos L. Key, CerE, was a member of Alpha Lambda Tau, AICHE, St. Pat's Board, Blue Key, ROTC, and also won the Bookplate Award while attending MSM-UMR. Key was a World

War II veteran. He was retired from Kaiser Refractories Corp., after 35 years of service. †Jan. 5, 2000

1944



Lorren F. Bridge, ME, was retired from Imperial Sugar Co. He was a member of Sigma Nu, Miner Board, Glee Club and ASME while attending MSM-UMR. †Dec. 23, 1999

Richard D. Wheat, EE, MS EE'49, was retired from Northrop Corp. He was a member of ROTC band, Lambda Chi Alpha, Alpha Phi Omega, Theta Tau, St. Pat's Board and varsity orchestra while attending MSM-UMR. He was also class president. †Dec. 17, 1998

1947



H. Gene Russell, ChE, was retired from Nalco Chemical Co. He was a member of Sigma Pi, Alpha Chi Sigma, AICHE, and was on the honor list while attending MSM-UMR. Russell's death was reported to

UMR on Dec. 30, 1999.



George H. Wagner, MetE, was a former employee of USX Corp. He was a member of Triangle, St. Pat's Board, Rollamo Board, SAME, ROTC and ASM while attending MSM-UMR. He was also a student assistant and was on the honor list. †Dec. 13, 1999

1948



Thomas Austin Jr., CE, was a member of ASCE while attending UMR. Austin's death was reported to UMR on Jan. 31, 2000.



Henry P. Whaley, MetE, was a leading authority on low-grade iron ore mining and processing in North America. He spent most of his 42-year career with Cleveland-based Pickands

Mather & Co. He retired as senior vice president of operations for Cleveland Cliffs Inc., which acquired Pickands Mather. Whaley belonged to numerous professional associations and held leadership positions in many community organizations. He also held the rank of sergeant in the U.S. Army Corps of Engineers. In addition to his MSM-UMR degree, Whaley earned a bachelor's degree in civil engineering at North Carolina State. †Dec. 9, 1999

1949



W. Dale Carney, CE, served in the U.S. Army during World War II. He was retired from the bridge engineering division of the Missouri Highway and Transportation Dept. Carney was also a member of the American Society of Professional Engineers, the American Society of Civil Engineers and the Academy of Civil Engineers at MSM-UMR. A Tau Beta Pi and Phi Kappa Phi member, Carney graduated from MSM with first honors. †Jan. 16, 2000

Charles Faulkner Sr., MetE, was a veteran of the U.S. Army who served in World War II. He earned five bronze stars for campaigns in Europe. While attending MSM-UMR, Faulkner was a member of the ROTC Band, a student assistant in the metallurgical engineering department, and was on the honor list. †Feb. 9, 2000



Theodore S. Weissmann, CerE, was retired from Rockwell International. He was a member of ACS and was a student assistant while attending MSM-UMR. Weissmann's death was reported to UMR on Dec. 30, 1999.

1950

Austin K. Hardin, ChE, was a student assistant in the chemistry department and on the honor list at MSM-UMR. He was a member of Tau Beta Pi and AICHE. Hardin's death was reported to UMR on Jan. 31, 2000.

Donald H. Nunn, ChE, was a member of AICHE while attending MSM-UMR. †Aug. 27, 1999



Frank W. Ries, EE, served in the U.S. Navy during World War II. He was chairman of Stone and Webster Engineering before retiring, and was a member of the Knights of Columbus. While attending MSM-UMR, he was a member of the Independents and the Engineer Club. †Feb. 19, 2000

1951



Douglas J. Carthew, MinE, was a member of Phi Kappa Phi, AIME, and was on the honor list while attending UMR. Carthew was a retired sales representative with Industrial Magazine and a U.S. Navy veteran. †Jan. 6, 2000

Memorials



Jack N. Koch, CerE, was a member of the Glee Club, ACS, and a member and president of Kappa Sigma while attending MSM-UMR. †Jan. 16, 2000



Richard J. Roerman, EE, was retired from Sachs Electric Co. †Oct. 18, 1999



Robert J. Smith, EE, was a member of Tau Kappa Epsilon, Engineers Club and MSM Players. Smith was also a student assistant in the Registrar's Office and on the honor list while attending MSM-UMR. Smith and his wife, Mary, were retired in Boone, N.C. Smith's death was reported to UMR on Feb. 29, 2000.

Keith Wick, MetE, was a member of Theta Xi and ASM while attending MSM-UMR. Keith's death was reported to UMR on Feb. 25, 2000.

1952

Peter L. Chorney, EE, was president of North Vermilion Electric in Hoopston, Ill. He retired from FMC Corp. in 1988. While attending MSM-UMR, he was a member of the Dormitory Council, AIEE, and was on the honor list. †Jan. 27, 2000

1954



Searles T. (Andy) Anderson, MinE, was a member of the Glee Club, Lambda Chi Alpha, Theta Tau Inner Guard, AIME and Student Council at UMR. He was a student assistant in the military science department. †Feb. 10, 2000

1955

Harold D. Heavlin, CE, was a civil engineer for the Region 5 office of the U.S. Environmental Protection Agency in Chicago since 1984. Heavlin was a member of the ASCE, AAA and the Dispute Review Board Foundation. He was a registered engineer in Illinois and three other states. While attending MSM-UMR, he was a member of ASCE and Theta Xi. He was living in Oak Park, Ill. †Dec. 2, 1999

1957



Bill Lee Atchley, CE MS'59, was a former professor and associate dean of the MSM-UMR School of Engineering. He served as president of Clemson University from 1979 to 1985. He also served as president at the University of the Pacific from 1987 until 1995. Atchley spent one year as the interim president of Southeast Missouri State University in 1996. He was a veteran of the U.S. Army who served in Korea. He earned his Ph.D. at Texas A&M University. While attending MSM-UMR, he was a member of Sigma Nu, ASCE and was on the honor list. †Feb. 18, 2000



Elmer G. Pyle, CE. †Oct. 12, 1999.

1958

James M. Shea, CE, was a member of Theta Kappa Phi, ASCE, the Newman Club and Student Council while attending MSM-UMR. Shea retired as director of the Department of Public Utilities in St. Louis. He was a longtime member of the St. Pat's Day Parade Committee and was chairman of the parade in 1987-88. He was also a member of the Ancient Order of Hibernians and often traveled to Ireland. †Jan. 19, 2000

1959



William Fesler Jr., ME, was a member of Pi Kappa Alpha, SAE, ASME, Blue Key, Phi Kappa Phi, Tau Beta Pi, and was on the honor list while attending MSM-UMR. He was also awarded Gold Key Award and graduated with First Honors. †Dec. 28, 1998

1964

Courtney G. Nelson, ChE, was a member of AICHe, the 59ers Club, Independents, and was on the honor list while attending MSM-UMR. Nelson was also an Army veteran who served in Korea. He worked most of his life as an engineer in quality assurance. †Dec. 22, 1999

1966



Thomas E. Ferguson, NucO, MS NucO'71, †June 9, 1999

1968



David E. Frazier, CE, was a member of Engineers Club, Photo Club, ASCE, and was also awarded the Curators' Award while attending UMR. Frazier was a registered civil engineer for Scott Consulting Engineers. He was also a member of the Missouri Society of Professional Engineers and a member of the Missouri Pilots Association. †Jan. 8, 2000



Robert L. Harmon, EE, was retired from Boeing. †Dec. 28, 1999

Verle E. Spellman, Math, was a 30-year employee of Unisys and its predecessor firm. He moved from Missouri 12 years ago to work at the firm's Blue Bell headquarters. †Jan. 10, 2000



Donald Wettach, ME. †Oct. 17, 1999

1970

Philip E. Harvey, EMgt. †Oct. 9, 1999

Robert C. Lee, EMch. †July 25, 1999



Walter C. VonDemfange, GeoE MS'74, was an engineering associate for the Kansas Department of Transportation. VonDemfange was also a member of the Smoky Valley Chapter of Engineers in Salina, Kan., a member of the National Society of Professional Engineers and a member of the Honor Society of Phi Kappa Phi. †Dec. 26, 1999

1971



Robert A. Warmann, ME. †Nov. 3, 1998

1972

Thomas G. Thompson, CE. †Feb. 24, 2000

Mary Angela Wollard, Hist. †Feb. 6, 2000

Memorials

1973

William E. Simon, MS EMgt, was retired from McDonnell Douglas-Aircraft. †Feb. 11, 1999

1974

Robert A. Engberg, MS ME, MS CE'80, was a registered professional engineer who was employed by Mo Air Engineering Laboratories (McDonnell Douglas Corp.) for 33 years. He served in the Army Air Corp during World War II. †Dec. 28, 1999

1976



William C. Puetz, EMgt, was a former employee for Factory Mutual Engineering. †Aug. 27, 1998

1977

Paul E. Wonderly, ME, was a member of ASME, ASHRAE, Sigma Xi and Kappa Kappa Psi at UMR. †June 2, 1999

1980

Gary R. Crocker, ME, was a former employee for Barnes and Reinecke Inc. Crocker's death was reported to UMR on Dec. 30, 1999.

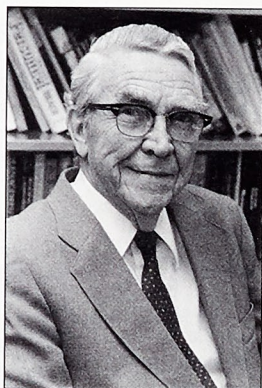
1982

Terry McDonald, EE, played football and was a member of Sigma Phi Epsilon at UMR. He owned and operated McDonald's Heating and Cooling in Cameron, Mo. †Feb. 5, 2000

1988

Margaret Ellen Kolodziej, LSci. †Oct. 7, 1998.

Bernard R. Sarchet professor and founder of engineering management



Bernard R. Sarchet, former professor and founder of the engineering management department died Feb. 26, 2000, at St. John's Mercy Medical Center in St. Louis at the age of 82. Sarchet joined the UMR faculty in 1967 as professor and founding chair of the engineering management department and retired as chair in 1981, after securing approval for a Ph.D. program in engineering management. In 1998, he was listed in the reference book "Outstanding People of the 20th Century" in recognition of his leadership and accomplishments in higher education and in industry. Professor Sarchet was also founding member and first national president of the American Society for Engineering

Management. In 1992, ASEM established an award in his name. In 1986, Sarchet and his wife, Le, established two scholarship funds to support engineering management students at UMR.

Following his retirement from chair of engineering management, Sarchet assisted in raising funds for the Engineering Management Building, helped develop the UMR Order of the Golden Shillelagh and helped develop the Video Communications Center at UMR, which led to membership in the National Technological University, a consortium of universities that provide distance learning via satellite. Sarchet's honors also include an Alumni Merit Award from the MSM-UMR Alumni Association and a special plaque from NTU for his work in helping NTU become a pioneer in video-based engineering education. He also was referenced in "American Men and Women of Science," "Who's Who in America," "Who's Who in Engineering," "Who's Who in American Education," and in numerous other reference works.

Policy for Publications of Alumni Notes in the *MSM-UMR Alumnus*

We are happy to announce weddings, births and promotions, after they have occurred.

We will mention a spouse's name if it is specifically mentioned in the information provided by the alumnus.

The *MSM-UMR Alumnus* will announce deaths if information is submitted by an immediate family member, or from a newspaper obituary.

Obituary information on alumni spouses will be printed only if the alumnus/a specifically requests that we print it.

We will print addresses if specifically requested to do so by the alumnus submitting the note.

We reserve the right to edit alumni notes to meet space requirements.

We will use submitted photos as space permits.

Friends

Inez Boulson, wife of Charles E. Boulson, EE'39. †Jan. 17, 2000.

Malcolm B. Cole, a professor of physics at MSM-UMR for 30 years. He was a U.S. Navy veteran of World War II. †Dec. 20, 1999

Sunshine Duba, wife of John G. Duba, CE'49; death reported to UMR on Feb. 7, 2000.

Ford Hughes; death reported to UMR on Jan. 31, 2000.

Don Hutson, †Jan. 4, 2000

Molly Latimer, wife of John Latimer, MetE'66; death reported to UMR on Dec. 31, 1999.

Stanley L. Lopata, †Jan. 19, 2000

Doris McCoid, wife of Robert L. McCoid, EE'50; death reported to UMR on Jan. 31, 2000.

John Morris, †June 7, 1999

Helen Pennington, wife of Robert J. Pennington, EE'50; death reported to UMR on Feb. 7, 2000.

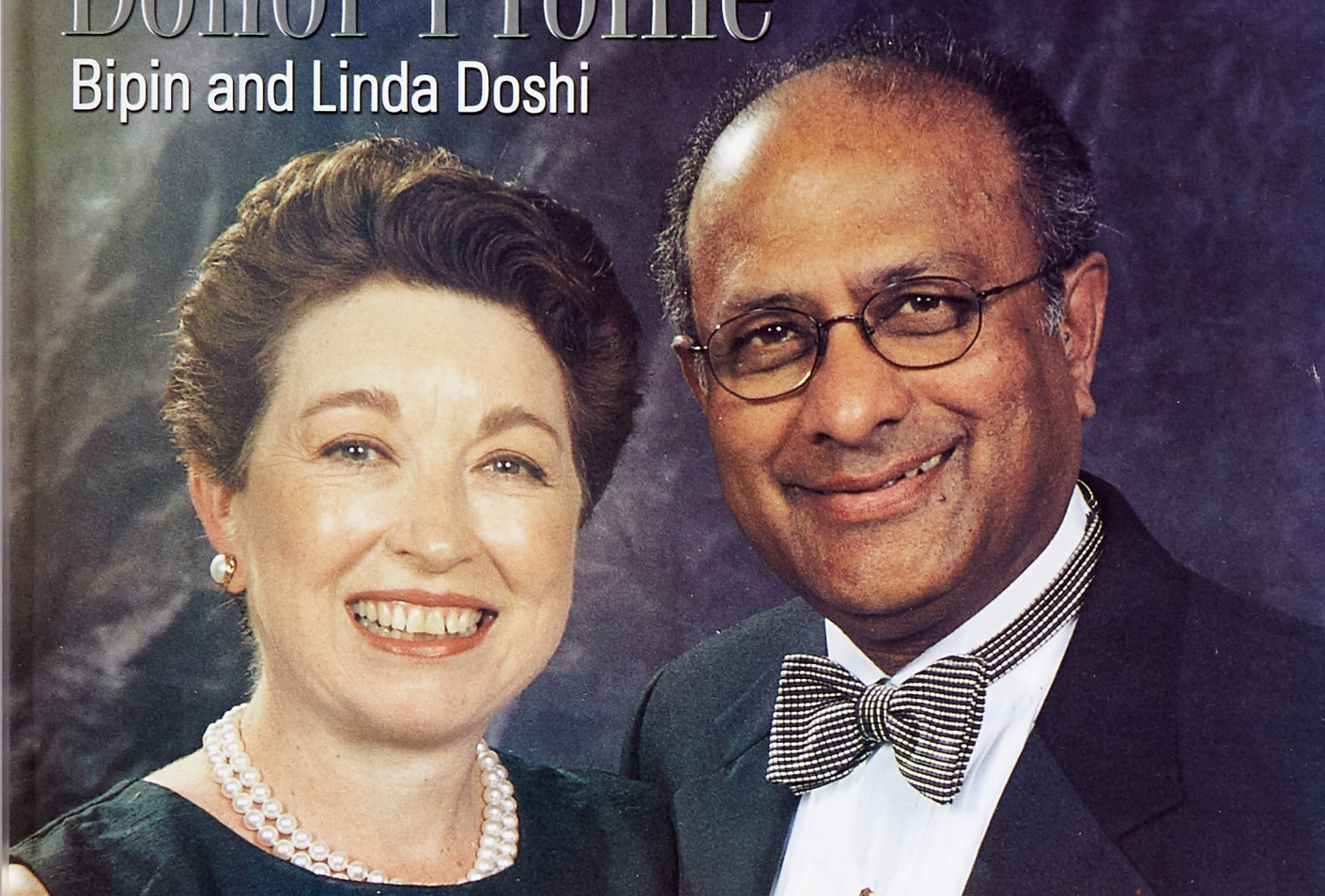
Walter C. Pfeiffer, †May 16, 1999

Frances Steele, wife of Davis T. Steele, ME'50; death reported to UMR on Jan. 31, 2000.

Marion Yager, wife of O. Timken Yager Jr., ME'52, death reported to UMR on Nov. 30, 1999.

Donor Profile

Bipin and Linda Doshi



Chemical engineering Professor Frank H. Conrad made a big impression on **Bipin Doshi**, ChE'62, MS ChE'63, while he was a student at MSM-UMR. As Doshi recalls, Conrad made extra time to help him and other international students with any scholastic or personal needs.

Doshi still remembers his kindnesses gratefully. He and his wife Linda have given UMR a planned gift of \$400,000 to support Doshi's home department of chemical engineering. They also have given a current gift which is helping fund the Frank H. Conrad Chemical Engineering Scholarship Fund in Chemical Engineering. Doshi is chairman, president and CEO of Schafer Gear Works Inc. of South Bend, Ind. The

company, established by the Schafer family in 1934, manufactures commercial and industrial gears and was purchased by Bipin in 1988. Since the original purchase, Bipin has acquired three other related companies, the most recent being the purchase of another gear company located in Rockford, Ill. Combined, they employ 200 people.

Doshi began his career in 1963 as a chemical engineer with U.S. Rubber Co.'s Naugatuck, Conn., chemical division. He joined Uniroyal Co. in 1969 and worked there until purchasing Schafer in 1988.

The successful transition from a career in chemical engineering to the ownership of a gears and metal cutting business is one of Doshi's outstanding

achievements. He gives much of the credit to Linda, whom he met in Rolla in 1962, and his UMR education. The Doshis have two successful sons in their 20s. Both Linda and Bipin are active in their community and in their spare time enjoy reading, travel and collecting rare books on colonial India and Indian art. Doshi serves on several boards in South Bend.

He is especially proud of being the Chairman of the Board of American Gear Manufacturer's Association during 1999-2000. He is a member of the UMR Academy of Chemical Engineers, and he and Linda are members of the UMR Order of the Golden Shillelagh.

MILLENNIUM ARCH

D E D I C A T I O N

P A G E 2

